LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 97	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 97B	2		E9-B SHLD A97					.25 NO .25 NO				
A 97W			P1-247 P2-P5					.15 NO .19 NO			7, 18 4	
A 98	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 98B	2		E9-B SHLD A98					.25 NO .25 NO				
A 98W			P1-248 P2-P6					.15 NO .19 NO			7, 18 4	
A 99	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 99B	2		E9-B SHLD A99					.25 NO .25 NO				
A 99W			P1-249 P2-P7					.15 NO .19 NO			7, 18 4	
A 100	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 100B	2		E9-B SHLD A100					.25 NO .25 NO				
A 100W			P1-250 P2-P8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 31 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 101	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 101B	2		E9-B SHLD A101					.25 NO .25 NO				
A 101W			P1-301 P2-R1					.15 NO .19 NO			7, 18 4	
A 102	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 102B	2		E9-B SHLD A102					.25 NO .25 NO				
A 102W			P1-302 P2-R2					.15 NO .19 NO			7, 18 4	
A 103	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 103B	2		E9-B SHLD A103					.25 NO .25 NO				
A 103W			P1-303 P2-R3					.15 NO .19 NO			7, 18 4	
A 104	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 104B	2		E9-B SHLD A104					.25 NO .25 NO				
A 104W			P1-304 P2-R4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 32 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 105	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 105B	2		E9-B SHLD A105					.25 NO .25 NO				
A 105W			P1-305 P2-R5					.15 NO .19 NO			7, 18 4	
A 106	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 106B	2		E9-B SHLD A106					.25 NO .25 NO				
A 106W			P1-306 P2-R6					.15 NO .19 NO			7, 18 4	
A 107	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 107B	2		E9-B SHLD A107					.25 NO .25 NO				
A 107W			P1-307 P2-R7					.15 NO .19 NO			7, 18 4	
A 108	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 108B	2		E9-B SHLD A108					.25 NO .25 NO				
A 108W			P1-308 P2-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 33 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 109B	2		E10-B SHLD A109					.25 NO .25 NO				
A 109W			P1-309 P2-S1					.15 NO .19 NO			7, 18 4	
A 110	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 110B	2		E10-B SHLD A110					.25 NO .25 NO				
A 110W			P1-310 P2-S2					.15 NO .19 NO			7, 18 4	
A 111	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 111B	2		E10-B SHLD A111					.25 NO .25 NO				
A 111W			P1-311 P2-S3					.15 NO .19 NO			7, 18 4	
A 112	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 112B	2		E10-B SHLD A112					.25 NO .25 NO				
A 112W			P1-312 P2-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 34 OF 85

MIL 2084 9-65

NOTE NUMBER | GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER –
A – ND1002071
B – ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.

4 VENDOR ITEM – SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

5 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

6 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

7 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER –
A – FROM END SHIELD
B – TO END SHIELD
W – WHITE

8 MARK REFERENCE DESIGNATIONS SHOWN PER ND1002019, HOT IMPRESSION STAMPING, USING .12 BLACK CHARACTERS CENTRALIZED

9 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 16 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP

10 SERIALIZE PER ND1002032

11 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES

12 ASSEMBLE PER ND1002032

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 3 OF 86

MIL 2084 9-65

NOTE NUMBER | GENERAL NOTES DESCRIPTION

13 AT ASSEMBLY OF ITEM 19 REMOVE 4 SELF-LOCKING NUTS SECURING LOCATING PINS TO CONNECTOR AND DISCARD. ATTACH ITEM 19 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 4 OF 86

MIL 2084 9-65

SEE NOTE NUMBER | LIST OF MATERIALS ITEM | QTY | PART NO. | DESCRIPTION

	ITEM	QTY	PART NO.	DESCRIPTION
6	1	1	2901060-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 1216 FT TOTAL LENGTH
6	2	1	2901060-002	WIRE ND1002181 TYPE 1 CLASS 24AWG WHT 152 FT TOTAL LENGTH
6	3	1	2901060-006	ZIPPER TUBING PER ND1002155 TYPE 4 GREY 2.5, 2.5, .75 DIA 4 FT TOTAL LENGTH 3 CHANNEL
4	4	304	1016369-421	CONTACT, SOCKET
	5	1	2901060-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 2 FT TOTAL LENGTH
	6	1	2901060-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 11 FT TOTAL LENGTH
4	7	304	1897300-002	CONTACT, SPRING SOCKET
4	8	304	1010763-002	SOLDER SLEEVE
4	9	608	1010490-232	INSULATION SLEEVING SHRINK FIT
	10	1	2901434-011	CONNECTOR
4	11	1	2901200-011	CONNECTOR
4	12	27	1016006-002	SPLICE REDUCER
4	13	27	1010490-258	INSULATION SLEEVING SHRINK FIT
	14		1015902-003	DELETED
4	15	5	1016128-021	BAND IDENTIFICATION

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 5 OF 86

SEE NOTE NUMBER | LIST OF MATERIALS ITEM | QTY | PART NO. | DESCRIPTION

	ITEM	QTY	PART NO.	DESCRIPTION
	16	AR	MIL-I-631 TYPE F FORM T BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
	17	AR	MIL-T-7138 TYPE P CLASS 2 BLK	LACING TAPE
4	18	304	1015864-232	INSULATION SLEEVING, ELECT.
4	19	3	1897391	CLAMP, CABLE DUAL ENTRY
	20		1010490-166	DELETED
4	21	2	1016006-004	SPLICE REDUCER
4	22	2	1010490-342	INSULATION SLEEVING SHRINK FIT
	23	1	2901434-021	CONNECTOR
	24	1	2901434-031	CONNECTOR
	25	AR	MIL-I-15126 TYPE ACT	INSULATION TAPE ELEC PRESSURE SENSITIVE THERMO SETTING ADHESIVE, .75 + OR -.03 WIDE (ES2716 TYPE C)
4	26	3	1016369-721	CONTACT, SOCKET

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 6 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 83	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 838	2		E7-B SHLD A83					.25 NO .25 NO				
A 83W			P1-G8 P2-M7					.15 NO .19 NO			7, 18 4	
A 84	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 848	2		E7-B SHLD A84					.25 NO .25 NO				
A 84W			P1-G9 P2-M8					.15 NO .19 NO			7, 18 4	
A 85	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 858	2		E7-B SHLD A85					.25 NO .25 NO				
A 85W			P1-G10 P2-N1					.15 NO .19 NO			7, 18 4	
A 86	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 868	2		E7-B SHLD A86					.25 NO .25 NO				
A 86W			P1-G11 P2-N2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 27 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 878	2		E8-B SHLD A87					.25 NO .25 NO				
A 87W			P1-G12 P2-N3					.15 NO .19 NO			7, 18 4	
A 88	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 888	2		E8-B SHLD A88					.25 NO .25 NO				
A 88W			P1-G13 P2-N4					.15 NO .19 NO			7, 18 4	
A 89	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 898	2		E8-B SHLD A89					.25 NO .25 NO				
A 89W			P1-G14 P2-N5					.15 NO .19 NO			7, 18 4	
A 90	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 908	2		E8-B SHLD A90					.25 NO .25 NO				
A 90W			P1-G15 P2-N6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 28 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 918	2		E8-B SHLD A91					.25 NO .25 NO				
A 91W			P1-H1 P2-N7					.15 NO .19 NO			7, 18 4	
A 92	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 928	2		E8-B SHLD A92					.25 NO .25 NO				
A 92W			P1-H2 P2-N8					.15 NO .19 NO			7, 18 4	
A 93	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 938	2		E8-B SHLD A93					.25 NO .25 NO				
A 93W			P1-H3 P2-P1					.15 NO .19 NO			7, 18 4	
A 94	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 948	2		E8-B SHLD A94					.25 NO .25 NO				
A 94W			P1-H4 P2-P2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 29 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 958	2		E8-B SHLD A95					.25 NO .25 NO				
A 95W			P1-H5 P2-P3					.15 NO .19 NO			7, 18 4	
A 96	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 968	2		E8-B SHLD A96					.25 NO .25 NO				
A 96W			P1-H6 P2-P4					.15 NO .19 NO			7, 18 4	
A 97	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 978	2		E8-B SHLD A97					.25 NO .25 NO				
A 97W			P1-H7 P2-P5					.15 NO .19 NO			7, 18 4	
A 98	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 988	2		E8-B SHLD A98					.25 NO .25 NO				
A 98W			P1-H8 P2-P6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 30 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 99	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 99B	2		E9-B SHLD A99					.25 NO .25 NO				
A 99W			P1-H9 P2-P7					.15 NO .19 NO			7, 18 4	
A 100	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 100B	2		E9-B SHLD A100					.25 NO .25 NO				
A 100W			P1-H10 P2-P8					.15 NO .19 NO			7, 18 4	
A 101	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 101B	2		E9-B SHLD A101					.25 NO .25 NO				
A 101W			P1-H11 P2-R1					.15 NO .19 NO			7, 18 4	
A 102	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 102B	2		E9-B SHLD A102					.25 NO .25 NO				
A 102W			P1-H12 P2-R2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 31 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 103	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 103B	2		E9-B SHLD A103					.25 NO .25 NO				
A 103W			P1-H13 P2-R3					.15 NO .19 NO			7, 18 4	
A 104	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 104B	2		E9-B SHLD A104					.25 NO .25 NO				
A 104W			P1-H14 P2-R4					.15 NO .19 NO			7, 18 4	
A 105	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 105B	2		E9-B SHLD A105					.25 NO .25 NO				
A 105W			P1-H15 P2-R5					.15 NO .19 NO			7, 18 4	
A 108	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 108B	2		E9-B SHLD A108					.25 NO .25 NO				
A 108W			P1-K3 P2-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 32 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 109B	2		E9-B SHLD A109					.25 NO .25 NO				
A 109W			P1-K4 P2-S1					.15 NO .19 NO			7, 18 4	
A 110	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 110B	2		E9-B SHLD A110					.25 NO .25 NO				
A 110W			P1-K5 P2-S2					.15 NO .19 NO			7, 18 4	
A 111	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 111B	2		E9-B SHLD A111					.25 NO .25 NO				
A 111W			P1-K6 P2-S3					.15 NO .19 NO			7, 18 4	
A 112	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 112B	2		E9-B SHLD A112					.25 NO .25 NO				
A 112W			P1-K7 P2-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 33 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 113B	2		E10-B SHLD A113					.25 NO .25 NO				
A 113W			P1-K8 P2-S5					.15 NO .19 NO			7, 18 4	
A 114	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 114B	2		E10-B SHLD A114					.25 NO .25 NO				
A 114W			P1-K9 P2-S6					.15 NO .19 NO			7, 18 4	
A 115	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 115B	2		E10-B SHLD A115					.25 NO .25 NO				
A 115W			P1-K10 P2-S7					.15 NO .19 NO			7, 18 4	
A 116	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 116B	2		E10-B SHLD A116					.25 NO .25 NO				
A 116W			P1-K11 P2-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 34 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 142	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 142B	2		E12-B SHLD A142					.25 NO .25 NO				
A 142W			P1-C17 P2-W2					.15 NO .19 NO			7, 18 4	
A 143	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 143B	2		E12-B SHLD A143					.25 NO .25 NO				
A 143W			P1-C18 P2-W3					.15 NO .19 NO			7, 18 4	
A 144	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 144B	2		E12-B SHLD A144					.25 NO .25 NO				
A 144W			P1-C19 P2-W4					.15 NO .19 NO			7, 18 4	
A 145	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 145B	2		E12-B SHLD A145					.25 NO .25 NO				
A 145W			P1-C20 P2-W5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 39 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 146	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 146B	2		E12-B SHLD A146					.25 NO .25 NO				
A 146W			P1-C21 P2-W6					.15 NO .19 NO			7, 18 4	
A 147	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 147B	2		E12-B SHLD A147					.25 NO .25 NO				
A 147W			P1-C22 P2-W7					.15 NO .19 NO			7, 18 4	
A 148	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 148B	2		E12-B SHLD A149					.25 NO .25 NO				
A 148W			P1-C23 P2-W8					.15 NO .19 NO			7, 18 4	
A 149	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 149B	2		E12-B SHLD A149					.25 NO .25 NO				
A 149W			P1-C24 P2-X3					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 40 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 150B	2		E12-B SHLD A150					.25 NO .25 NO				
A 150W			P1-C25 P2-X4					.15 NO .19 NO			7, 18 4	
A 151	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 151B	2		E12-B SHLD A151					.25 NO .25 NO				
A 151W			P1-D16 P2-X5					.15 NO .19 NO			7, 18 4	
A 152	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 152B	2		E12-B SHLD A152					.25 NO .25 NO				
A 152W			P1-D17 P3-A5					.15 NO .19 NO			7, 18 4	
A 153	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 153B	2		E13-B SHLD A153					.25 NO .25 NO				
A 153W			P1-D18 P3-A3					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 41 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 154	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 154B	2		E13-B SHLD A154					.25 NO .25 NO				
A 154W			P1-D19 P3-A4					.15 NO .19 NO			7, 18 4	
A 155	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 155B	2		E13-B SHLD A155					.25 NO .25 NO				
A 155W			P1-D20 P3-A5					.15 NO .19 NO			7, 18 4	
A 156	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 156B	2		E13-B SHLD A156					.25 .25				
A 156W			P1-D21 P3-A6					.15 .19			7, 18 4	
A 157	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 157B	2		E13-B SHLD A157					.25 .25				
A 157W			P1-D22 P3-B1					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 42 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 158	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 158B	2		E13-B SHLD A158					.25 .25				
A 158W			P1-D23 P3-B2					.15 .19			7, 18 4	
A 159	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 159B	2		E13-B SHLD A159					.25 .25				
A 159W			P1-D24 P3-B3					.15 .19			7, 18 4	
A 160	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 160B	2		E13-B SHLD A160					.25 .25				
A 160W			P1-D25 P3-B4					.15 .19			7, 18 4	
A 161	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 161B	2		E13-B SHLD A161					.25 .25				
A 161W			P1-F16 P3-B5					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 43 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 162B	2		E13-B SHLD A162					.25 .25				
A 162W			P1-F17 P3-B6					.15 .19			7, 18 4	
A 163	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 163B	2		E13-B SHLD A163					.25 .25				
A 163W			P1-F18 P3-B7					.15 .19			7, 18 4	
A 164	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 164B	2		E13-B SHLD A164					.25 NO .25 NO				
A 164W			P1-F19 P3-B8					.15 NO .19 NO			7, 18 4	
A 165	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 165B	2		E14-B SHLD A165					.25 NO .25 NO				
A 165W			P1-F20 P3-C1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 44 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 166	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 166B	2		E14-B SHLD A166					.25 NO .25 NO				
A 166W			P1-F21 P3-C2					.15 NO .19 NO			7, 18 4	
A 167	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 167B	2		E14-B SHLD A167					.25 NO .25 NO				
A 167W			P1-F22 P3-C3					.15 NO .19 NO			7, 18 4	
A 168	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 168B	2		E14-B SHLD A168					.25 NO .25 NO				
A 168W			P1-F23 P3-C4					.15 NO .19 NO			7, 18 4	
A 169	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 169B	2		E14-B SHLD A169					.25 NO .25 NO				
A 169W			P1-F24 P3-C5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 45 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 170	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 170B	2		E14-B SHLD A170					.25 NO .25 NO				
A 170W			P1-F25 P3-C6					.15 NO .19 NO			7, 18 4	
A 171	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 171B	2		E14-B SHLD A171					.25 NO .25 NO				
A 171W			P1-G16 P3-C7					.15 NO .19 NO			7, 18 4	
A 172	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 172B	2		E14-B SHLD A172					.25 NO .25 NO				
A 172W			P1-G17 P3-C8					.15 NO .19 NO			7, 18 4	
A 173	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 173B	2		E14-B SHLD A173					.25 NO .25 NO				
A 173W			P1-G18 P3-D1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 46 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 245	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 245B	2		E20-B SHLD A245					.25 NO .25 NO				
A 245W			P1-F30 P3-R1					.15 NO .19 NO			7, 18 4	
A 246	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 246B	2		E20-B SHLD A246					.25 NO .25 NO				
A 246W			P1-F31 P3-R2					.15 NO .19 NO			7, 18 4	
A 247	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 247B	2		E20-B SHLD A247					.25 NO .25 NO				
A 247W			P1-F32 P3-R3					.15 NO .19 NO			7, 18 4	
A 248	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 248B	2		E20-B SHLD A248					.25 NO .25 NO				
A 248W			P1-F33 P3-R4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060

SCALE-NONE | REV LTR E | SHEET 63 OF 86

MIL 2084 9.65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 249B	2		E20-B SHLD A249					.25 NO .25 NO				
A 249W			P1-F34 P3-R5					.15 NO .19 NO			7, 18 4	
A 250	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 250B	2		E20-B SHLD A250					.25 NO .25 NO				
A 250W			P1-F35 P3-R6					.15 NO .19 NO			7, 18 4	
A 251	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 251B	2		E20-B SHLD A251					.25 NO .25 NO				
A 251W			P1-G26 P3-R7					.15 NO .19 NO			7, 18 4	
A 252	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 252B	2		E20-B SHLD A252					.25 NO .25 NO				
A 252W			P1-G27 P3-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060

SCALE-NONE | REV LTR E | SHEET 64 OF 86

MIL 2084 9.65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 253B	2		E20-B SHLD A253					.25 NO .25 NO				
A 253W			P1-G28 P3-S1					.15 NO .19 NO			7, 18 4	
A 254	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 254B	2		E20-B SHLD A254					.25 NO .25 NO				
A 254W			P1-G29 P3-S2					.15 NO .19 NO			7, 18 4	
A 255	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 255B	2		E20-B SHLD A255					.25 NO .25 NO				
A 255W			P1-G30 P3-S3					.15 NO .19 NO			7, 18 4	
A 256	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 256B	2		E21-B SHLD A256					.25 NO .25 NO				
A 256W			P1-G31 P3-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060

SCALE-NONE | REV LTR E | SHEET 65 OF 86

MIL 2084 9.65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 257	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 257B	2		E21-B SHLD A257					.25 NO .25 NO				
A 257W			P1-G32 P3-S5					.15 NO .19 NO			7, 18 4	
A 258	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 258B	2		E21-B SHLD A258					.25 NO .25 NO				
A 258W			P1-G33 P3-S6					.15 NO .19 NO			7, 18 4	
A 259	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 259B	2		E21-B SHLD A259					.25 NO .25 NO				
A 259W			P1-G34 P3-S7					.15 NO .19 NO			7, 18 4	
A 260	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 260B	2		E21-B SHLD A260					.25 NO .25 NO				
A 260W			P1-G35 P3-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060

SCALE-NONE | REV LTR E | SHEET 66 OF 86

MIL 2084 9.65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 327	6		E1-BB E27-B					.25 .25	NO NO			
A 328	6		E2-BB E27-B					.25 .25	NO NO			
A 329	6		E3-BB E27-B					.25 .25	NO NO			
A 330	6		E4-BB E27-B					.25 .25	NO NO			
A 331	6		E5-BB E27-B					.25 .25	NO NO			
A 332	6		E6-BB E27-B					.25 .25	NO NO			
A 333	6		E7-BB E27-B					.25 .25	NO NO			
A 334	6		E8-BB E27-B					.25 .25	NO NO			
A 335	6		E9-BB E27-B					.25 .25	NO NO			
A 336	6		E10-BB E27-B					.25 .25	NO NO			
A 337	6		E11-BB E27-B					.25 .25	NO NO			
A 338	6		E12-BB E27-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 83 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 339	6		E13-BB E28-B					.25 .25	NO NO			
A 340	6		E14-BB E28-B					.25 .25	NO NO			
A 341	6		E15-BB E28-B					.25 .25	NO NO			
A 342	6		E16-BB E28-B					.25 .25	NO NO			
A 343	6		E17-BB E28-B					.25 .25	NO NO			
A 344	6		E18-BB E28-B					.25 .25	NO NO			
A 345	6		E19-BB E28-B					.25 .25	NO NO			
A 346	6		E20-BB E28-B					.25 .25	NO NO			
A 347	6		E21-BB E28-B					.25 .25	NO NO			
A 348	6		E22-BB E28-B					.25 .25	NO NO			
A 349	6		E23-BB E28-B					.25 .25	NO NO			
A 350	6		E24-BB E28-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 84 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 351	6		E25-BB E29-B					.25 .25	NO NO			
A 352	6		E26-BB E29-B					.25 .25	NO NO			
A 353	5		E27-BB P2-X6					.25 .19	NO NO		26	
A 354	5		E28-BB P3-X6					.25 .19	NO NO		26	
A 355	5		E29-BB P4-X6					.25 .19	NO NO		26	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 85 OF 86

MIL 2084 9-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER - A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.
4	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
7	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE
8	MARK REFERENCE DESIGNATIONS SHOWN PER ND1002019, HOT IMPRESSION STAMPING, USING .12 BLACK CHARACTERS CENTRALIZED
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 16 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP. USE ONLY IF REQUIRED.
10	SERIALIZE PER ND1002023
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	ASSEMBLE PER ND1002032

MIL 2084 9-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	AT ASSEMBLY OF ITEM 19 REMOVE 4 SELF-LOCKING NUTS SECURING LOCATING PINS TO CONNECTOR AND DISCARD. ATTACH ITEM 19 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MIL 2084 9-65

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	1	1	2901060-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 1216 FT TOTAL LENGTH
6	2	1	2901060-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 152 FT TOTAL LENGTH
6	3	1	2901060-006	ZIPPER TUBING PER ND1002155 TYPE 4 GREY 2.0, 2.0, .75 DIA 4 FT TOTAL LENGTH 3 CHANNEL
4	4	304	1016369-421	CONTACT, SOCKET
	5	1	2901060-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 2 FT TOTAL LENGTH
	6	1	2901060-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 11 FT TOTAL LENGTH
4	7	304	1897300-002	CONTACT, SPRING SOCKET
4	8	304	1010763-002	SOLDER SLEEVE
4	9	608	1010490-232	INSULATION SLEEVING SHRINK FIT
	10	1	2901434-011	CONNECTOR
4	11	1	2901200-011	CONNECTOR
4	12	28	1016006-002	SPLICE REDUCER
4	13	28	1010490-258	INSULATION SLEEVING SHRINK FIT
	14		1015902-003	DELETED
4	15	5	1016128-021	BAND IDENTIFICATION

MIL 2084 9-65

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	AR	MIL-I-631 TYPE F FORM T BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
	17	AR	MIL-T-7138 TYPE P CLASS 2 BLK	LACING TAPE
4	18	304	1015864-232	INSULATION SLEEVING, ELECT.
4	19	3	1897391	CLAMP, CABLE DUAL ENTRY
	20		1010490-166	DELETED
4	21	1	1016006-004	SPLICE REDUCER
4	22	1	1010490-342	INSULATION SLEEVING SHRINK FIT
	23	1	2901434-021	CONNECTOR
	24	1	2901434-031	CONNECTOR
	25	AR	MIL-I-15126 TYPE ACT	INSULATION TAPE ELEC PRESSURE SENSITIVE THERMO SETTING ADHESIVE, .75 + OR -.03 WIDE (ES2716 TYPE C)
4	26	3	1016369-721	CONTACT, SOCKET

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 99	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 99B	2		E9-B SHLD A99					.25 NO .25 NO				
A 99W			P1-H9 P2-P7					.15 NO .19 NO			7, 18 4	
A 100	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 100B	2		E9-B SHLD A100					.25 NO .25 NO				
A 100W			P1-H10 P2-P8					.15 NO .19 NO			7, 18 4	
A 101	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 101B	2		E9-B SHLD A101					.25 NO .25 NO				
A 101W			P1-H11 P2-R1					.15 NO .19 NO			7, 18 4	
A 102	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 102B	2		E9-B SHLD A102					.25 NO .25 NO				
A 102W			P1-H12 P2-R2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 31 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 103	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 103B	2		E9-B SHLD A103					.25 NO .25 NO				
A 103W			P1-H13 P2-R3					.15 NO .19 NO			7, 18 4	
A 104	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 104B	2		E9-B SHLD A104					.25 NO .25 NO				
A 104W			P1-H14 P2-R4					.15 NO .19 NO			7, 18 4	
A 105	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 105B	2		E9-B SHLD A105					.25 NO .25 NO				
A 105W			P1-H15 P2-R5					.15 NO .19 NO			7, 18 4	
A 108	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 108B	2		E9-B SHLD A108					.25 NO .25 NO				
A 108W			P1-K3 P2-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 32 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 109B	2		E9-B SHLD A109					.25 NO .25 NO				
A 109W			P1-K4 P2-S1					.15 NO .19 NO			7, 18 4	
A 110	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 110B	2		E9-B SHLD A110					.25 NO .25 NO				
A 110W			P1-K5 P2-S2					.15 NO .19 NO			7, 18 4	
A 111	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 111B	2		E9-B SHLD A111					.25 NO .25 NO				
A 111W			P1-K6 P2-S3					.15 NO .19 NO			7, 18 4	
A 112	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 112B	2		E9-B SHLD A112					.25 NO .25 NO				
A 112W			P1-K7 P2-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 33 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 113B	2		E10-B SHLD A113					.25 NO .25 NO				
A 113W			P1-K8 P2-S5					.15 NO .19 NO			7, 18 4	
A 114	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 114B	2		E10-B SHLD A114					.25 NO .25 NO				
A 114W			P1-K9 P2-S6					.15 NO .19 NO			7, 18 4	
A 115	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 115B	2		E10-B SHLD A115					.25 NO .25 NO				
A 115W			P1-K10 P2-S7					.15 NO .19 NO			7, 18 4	
A 116	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 116B	2		E10-B SHLD A116					.25 NO .25 NO				
A 116W			P1-K11 P2-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 34 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 117	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 1178	2		E10-8 SHLD A117					.25 NO .25 NO				
A 117W			P1-K12 P2-T1					.15 NO .19 NO			7, 18 4	
A 118	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 118B	2		E10-8 SHLD A118					.25 NO .25 NO				
A 118W			P1-K13 P2-T2					.15 NO .19 NO			7, 18 4	
A 119	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 119B	2		E10-8 SHLD A119					.25 NO .25 NO				
A 119W			P1-K14 P2-T3					.15 NO .19 NO			7, 18 4	
A 120	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 120B	2		E10-8 SHLD A120					.25 NO .25 NO				
A 120W			P1-K15 P2-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 35 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 130	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 1308	2		E11-8 SHLD A130					.25 NO .25 NO				
A 130W			P1-A25 P2-U6					.15 NO .19 NO			7, 18 4	
A 131	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 1318	2		E11-8 SHLD A131					.25 NO .25 NO				
A 131W			P1-B16 P2-U7					.15 NO .19 NO			7, 18 4	
A 132	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1328	2		E11-8 SHLD A132					.25 NO .25 NO				
A 132W			P1-B17 P2-U8					.15 NO .19 NO			7, 18 4	
A 133	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1338	2		E11-8 SHLD A133					.25 NO .25 NO				
A 133W			P1-B18 P2-V1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 36 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 134	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 134B	2		E11-8 SHLD A134					.25 NO .25 NO				
A 134W			P1-B19 P2-V2					.15 NO .19 NO			7, 18 4	
A 135	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 135B	2		E11-8 SHLD A135					.25 NO .25 NO				
A 135W			P1-B20 P2-V3					.15 NO .19 NO			7, 18 4	
A 136	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 136B	2		E11-8 SHLD A136					.25 NO .25 NO				
A 136W			P1-B21 P2-V4					.15 NO .19 NO			7, 18 4	
A 137	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 137B	2		E11-8 SHLD A137					.25 NO .25 NO				
A 137W			P1-B22 P2-V5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 37 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1388	2		E11-8 SHLD A138					.25 NO .25 NO				
A 138W			P1-B23 P2-V6					.15 NO .19 NO			7, 18 4	
A 139	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1398	2		E11-8 SHLD A139					.25 NO .25 NO				
A 139W			P1-B24 P2-V7					.15 NO .19 NO			7, 18 4	
A 140	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 1408	2		E11-8 SHLD A140					.25 NO .25 NO				
A 140W			P1-B25 P2-V8					.15 NO .19 NO			7, 18 4	
A 141	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 1418	2		E12-8 SHLD A141					.25 NO .25 NO				
A 141W			P1-C16 P2-W1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 38 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 190	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 190B	2		E16-B SHLB A190					.25 .25	NO NO			
A 190W			P1-H25 P3-G2					.15 .19	NO NO		7, 18 4	
A 191	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 191B	2		E16-B SHLD A191					.25 .25	NO NO			
A 191W			P1-K16 P3-G3					.15 .19	NO NO		7, 18 4	
A 192	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 192B	2		E16-B SHLD A192					.25 .25	NO NO			
A 192W			P1-K17 P3-G4					.15 .19	NO NO		7, 18 4	
A 200	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 200B	2		E16-B SHLD A200					.25 .25	NO NO			
A 200W			P1-K25 P3-H4					.15 .19	NO NJ		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 51 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 201	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 201B	2		E16-B SHLD A201					.25 .25	NO NO			
A 201W			P1-A26 P3-H5					.15 .19	NO NO		7, 18 4	
A 202	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 202B	2		E16-B SHLD A202					.25 .25	NO NO			
A 202W			P1-A27 P3-H6					.15 .19	NO NO		7, 18 4	
A 203	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 203B	2		E16-B SHLD A203					.25 .25	NO NO			
A 203W			P1-A28 P3-H7					.15 .19	NO NO		7, 18 4	
A 204	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 204B	2		E16-B SHLD A204					.25 .25	NO NO			
A 204W			P1-A29 P3-H8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 52 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 205	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 205B	2		E16-B SHLD A205					.25 .25	NO NO			
A 205W			P1-A30 P3-J1					.15 .19	NO NO		7, 18 4	
A 206	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 206B	2		E16-B SHLD A206					.25 .25	NO NO			
A 206W			P1-A31 P3-J2					.15 .19	NO NO		7, 18 4	
A 207	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 207B	2		E16-B SHLD A207					.25 .25	NO NO			
A 207W			P1-A32 P3-J3					.15 .19	NO NO		7, 18 4	
A 208	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 208B	2		E17-B SHLD A208					.25 .25	NO NO			
A 208W			P1-A33 P3-J4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 53 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 209B	2		E17-B SHLD A209					.25 .25	NO NO			
A 209W			P1-A34 P3-J5					.15 .19	NO NO		7, 18 4	
A 210	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 210B	2		E17-B SHLD A210					.25 .25	NO NO			
A 210W			P1-A35 P3-J6					.15 .19	NO NO		7, 18 4	
A 211	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 211B	2		E17-B SHLD A211					.25 .25	NO NO			
A 211W			P1-B26 P3-J7					.15 .19	NO NO		7, 18 4	
A 212	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 212B	2		E17-B SHLD A212					.25 .25	NO NO			
A 212W			P1-B27 P3-J8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 54 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 213	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 2138	2		E17-B SHLD A213					.25 NO .25 NO				
A 213W			P1-B28 P3-K1					.15 NO .19 NO			7, 18 4	
A 214	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 214B	2		E17-B SHLD A214					.25 NO .25 NO				
A 214W			P1-B29 P3-K2					.15 NO .19 NO			7, 18 4	
A 215	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 2158	2		E17-B SHLD A215					.25 NO .25 NO				
A 215W			P1-B30 P3-K3					.15 NO .19 NO			7, 18 4	
A 216	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 216B	2		E17-B SHLD A216					.25 NO .25 NO				
A 216W			P1-B31 P3-K6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 55 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 217	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 2178	2		E17-B SHLD A217					.25 NO .25 NO				
A 217W			P1-B32 P3-K7					.15 NO .19 NO			7, 18 4	
A 218	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 218B	2		E17-B SHLD A218					.25 NO .25 NO				
A 218W			P1-B33 P3-K8					.15 NO .19 NO			7, 18 4	
A 219	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 2198	2		E17-B SHLD A219					.25 NO .25 NO				
A 219W			P1-B34 P3-L1					.15 NO .19 NO			7, 18 4	
A 220	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 220B	2		E18-B SHLD A220					.25 .25				
A 220W			P1-B35 P3-L2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 56 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 2218	2		E18-B SHLD A221					.25 .25				
A 221W			P1-C26 P3-L7					.15 .19			7, 18 4	
A 222	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 2228	2		E18-B SHLD A222					.25 .25				
A 222W			P1-C27 P3-L8					.15 .19			7, 18 4	
A 223	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 2238	2		E18-B SHLD A223					.25 .25				
A 223W			P1-C28 P3-M1					.15 .19			7, 18 4	
A 224	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 224B	2		E18-B SHLD A224					.25 .25				
A 224W			P1-C29 P3-M2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 57 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 225	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 2258	2		E18-B SHLD A225					.25 .25				
A 225W			P1-C30 P3-M3					.15 .19			7, 18 4	
A 226	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 2268	2		E18-B SHLD A226					.25 .25				
A 226W			P1-C31 P3-M6					.15 .19			7, 18 4	
A 227	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 2278	2		E18-B SHLD A227					.25 .25				
A 227W			P1-C32 P3-M7					.15 .19			7, 18 4	
A 228	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2288	2		E18-B SHLD A228					.25 NO .25 NO				
A 228W			P1-C33 P3-M8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 58 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2778	2		E22-B SHLD A277					.25 .25	NO NO			
A 277W			P1-K32 P3-V1					.15 .19	NO NO		7, 18 4	
A 278	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2788	2		E22-B SHLD A278					.25 .25	NO NO			
A 278W			P1-K33 P3-V2					.15 .19	NO NO		7, 18 4	
A 279	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2798	2		E22-B SHLD A279					.25 .25	NO NO			
A 279W			P1-K34 P3-V3					.15 .19	NO NU		7, 18 4	
A 280	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2808	2		E23-B SHLD A280					.25 .25	NO NO			
A 280W			P1-K35 P3-V4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 71 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 281	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2818	2		E23-B SHLD A281					.25 .25	NO NO			
A 281W			P1-A36 P3-V5					.15 .19	NO NO		7, 18 4	
A 282	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2828	2		E23-B SHLD A282					.25 .25	NO NO			
A 282W			P1-A37 P3-V6					.15 .19	NO NO		7, 18 4	
A 283	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2838	2		E23-B SHLD A283					.25 .25	NO NO			
A 283W			P1-A38 P3-V7					.15 .19	NO NO		7, 18 4	
A 284	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2848	2		E23-B SHLD A284					.25 .25				
A 284W			P1-A39 P3-V8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 72 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 287	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2878	2		E23-B SHLD A287					.25 .25				
A 287W			P1-B36 P3-W3					.15 .19			7, 18 4	
A 288	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2888	2		E23-B SHLD A288					.25 .25				
A 288W			P1-B37 P3-W4					.15 .19			7, 18 4	
A 289	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2898	2		E23-B SHLD A289					.25 .25				
A 289W			P1-B38 P3-W5					.15 .19			7, 18 4	
A 290	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2908	2		E23-B SHLD A290					.25 .25				
A 290W			P1-B39 P3-W6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 73 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 291	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2918	2		E23-B SHLD A291					.25 .25				
A 291W			P1-B40 P3-W7					.15 .19			7, 18 4	
A 292	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2928	2		E23-B SHLD A292					.25 .25	NO NO			
A 292W			P1-B41 P3-W8					.15 .19	NO NO		7, 18 4	
A 293	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2938	2		E23-B SHLD A293					.25 .25	NO NO			
A 293W			P1-C36 P3-X3					.15 .19	NO NO		7, 18 4	
A 294	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2948	2		E24-B SHLD A294					.25 .25	NO NO			
A 294W			P1-C37 P3-X4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 74 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 327	6		E1-8B					.25	NO			
			E27-8					.25	NO			
A 328	6		E2-8B					.25	NO			
			E27-8					.25	NO			
A 329	6		E3-8B					.25	NO			
			E27-8					.25	NO			
A 330	6		E4-8B					.25	NO			
			E27-8					.25	NO			
A 331	6		E5-8B					.25	NO			
			E27-8					.25	NO			
A 332	6		E6-8B					.25	NO			
			E27-8					.25	NO			
A 333	6		E7-8B					.25	NO			
			E27-8					.25	NO			
A 334	6		E8-8B					.25	NO			
			E27-8					.25	NO			
A 335	6		E9-8B					.25	NO			
			E27-8					.25	NO			
A 336	6		E10-8B					.25	NO			
			E27-8					.25	NO			
A 337	6		E11-8B					.25	NO			
			E27-8					.25	NO			
A 338	6		E12-8B					.25	NO			
			E27-8					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 83 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 339	6		E13-8B					.25	NO			
			E28-3					.25	NO			
A 340	6		E14-8B					.25	NO			
			E28-8					.25	NO			
A 341	6		E15-8B					.25	NO			
			E28-8					.25	NO			
A 342	6		E16-8B					.25	NO			
			E28-8					.25	NO			
A 343	6		E17-8B					.25	NO			
			E28-8					.25	NO			
A 344	6		E18-8B					.25	NO			
			E28-8					.25	NO			
A 345	6		E19-8B					.25	NO			
			E28-8					.25	NO			
A 346	6		E20-8B					.25	NO			
			E28-8					.25	NO			
A 347	6		E21-8B					.25	NO			
			E28-8					.25	NO			
A 348	6		E22-8B					.25	NO			
			E28-8					.25	NO			
A 349	6		E23-8B					.25	NO			
			E28-8					.25	NO			
A 350	6		E24-8B					.25	NO			
			E28-8					.25	NO			

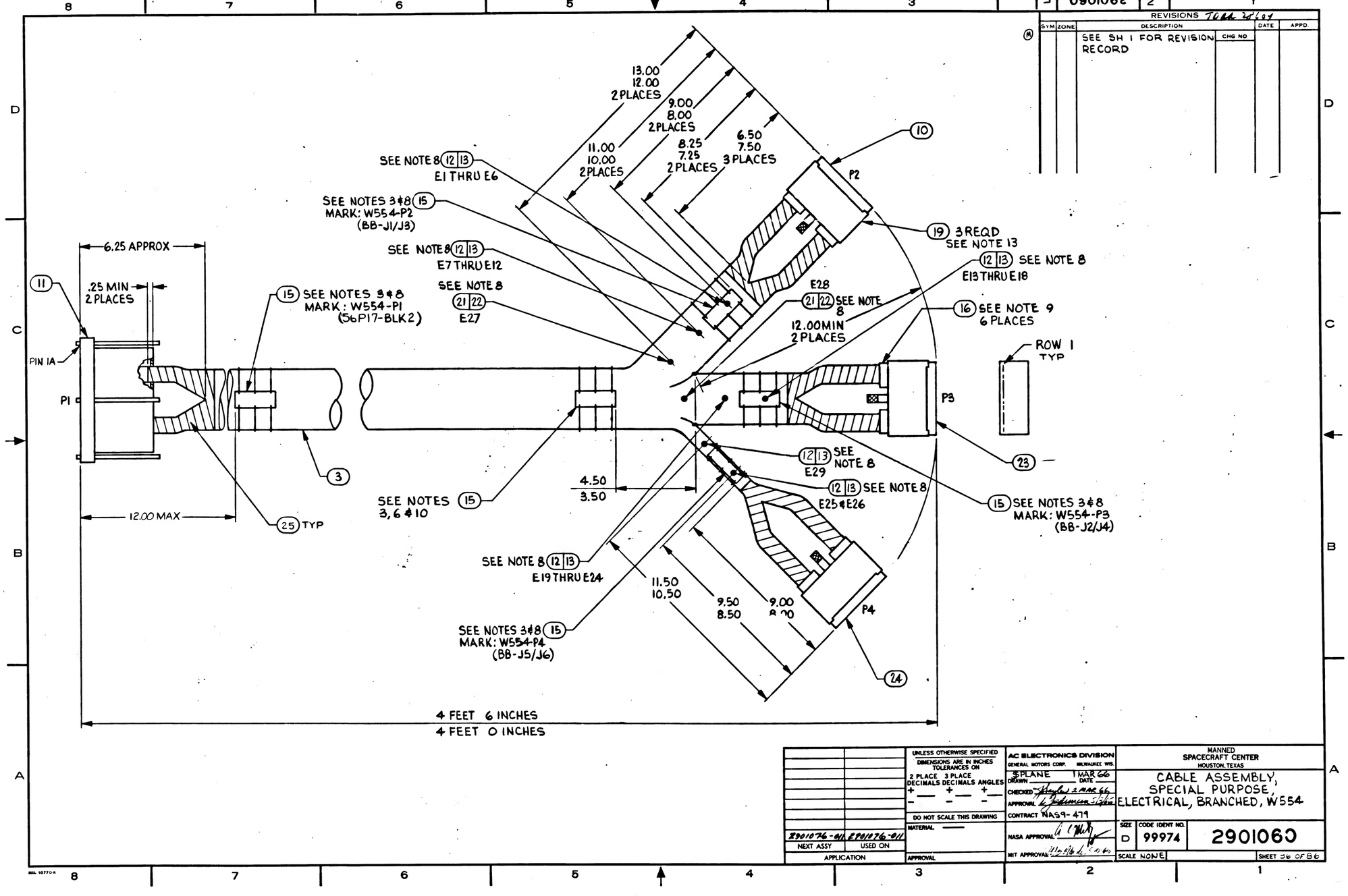
SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 84 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 351	6		E25-8B					.25	NO			
			E29-8					.25	NO			
A 352	6		E26-8B					.25	NO			
			E29-8					.25	NO			
A 353	5		E27-8B					.25	NO			
			P2-X6					.19	NO		26	
A 354	5		E28-8B					.25	NO			
			P3-X6					.19	NO		26	
A 355	5		E29-8B					.25	NO			
			P4-X6					.19	NO		26	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 85 OF 86

MIL 2084 9-65



REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SH 1 FOR REVISION RECORD			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± —
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

NEXT ASSY	USED ON
2901076-011	2901076-011

APPLICATION

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN SPLANE 1 MAR 66 DATE
CHECKED 2 MAR 66
APPROVAL
CONTRACT NAS9-479
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W554

SIZE	CODE IDENT NO.	
D	99974	2901060

SCALE NONE SHEET 36 OF 86

8 7 6 5 4 3 2 1

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	E	80	E														
47	E	81	E														
48	E	82	E														
49	E	83	E														
50	E	84	E														
51	E	85	E														
52	E	86	G														
53	E																
54	E																
55	E																
56	E																
57	E																
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71	E																
72	E																
73	E																
74	E																
75	F																
76	E																
77	E																
78	E																
79	E																

SIZE	CODE IDENT. NO.	
A	99974	2901060
SCALE NONE	REV LTR DEF	SHEET 2 OF 86

MIL 1377A3 8-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER – A – ND1002071 B – ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.
4	VENDOR ITEM – SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
7	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER – A – FROM END SHIELD B – TO END SHIELD W – WHITE
8	MARK REFERENCE DESIGNATIONS SHOWN PER ND1002019, HOT IMPRESSION STAMPING, USING .12 BLACK CHARACTERS CENTRALIZED
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 16 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP. USE ONLY IF REQUIRED.
10	SERIALIZE PER ND1002023
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	ASSEMBLE PER ND1002032

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	AT ASSEMBLY OF ITEM 19 REMOVE 4 SELF-LOCKING NUTS SECURING LOCATING PINS TO CONNECTOR AND DISCARD. ATTACH ITEM 19 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	1	1	2901060-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 1216 FT TOTAL LENGTH
6	2	1	2901060-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 152 FT TOTAL LENGTH
6	3	1	2901060-006	ZIPPER TUBING PER ND1002155 TYPE 4 GREY 2.0, 2.0, .75 DIA 4 FT TOTAL LENGTH 3 CHANNEL
4	4	304	1016369-421	CONTACT, SOCKET
	5	1	2901060-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 2 FT TOTAL LENGTH
	6	1	2901060-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 11 FT TOTAL LENGTH
4	7	304	1897300-002	CONTACT, SPRING SOCKET
4	8	304	1010763-002	SOLDER SLEEVE
4	9	608	1010490-232	INSULATION SLEEVING SHRINK FIT
	10	1	2901434-011	CONNECTOR
4	11	1	2901200-011	CONNECTOR
4	12	28	1016006-002	SPLICE REDUCER
4	13	28	1010490-258	INSULATION SLEEVING SHRINK FIT
	14		1015902-003	DELETED
4	15	5	1016128-021	BAND IDENTIFICATION

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	AR	MIL-I-631 TYPE F FORM T BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
	17	AR	MIL-T-7138 TYPE P CLASS 2 BLK	LACING TAPE
4	18	304	1015864-232	INSULATION SLEEVING, ELECT.
4	19	3	1897391	CLAMP, CABLE DUAL ENTRY
	20		1010490-166	DELETED
4	21	1	1016006-004	SPLICE REDUCER
4	22	1	1010490-342	INSULATION SLEEVING SHRINK FIT
	23	1	2901434-021	CONNECTOR
	24	1	2901434-031	CONNECTOR
	25	AR	MIL-I-15126 TYPE ACT	INSULATION TAPE ELEC PRESSURE SENSITIVE THERMO SETTING ADHESIVE, .75 + OR -.03 WIDE (ES2716 TYPE C)
4	26	3	1016369-721	CONTACT, SOCKET

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	38	2	E1-B SHLD A3					.25 NO .25 NO				
A	3W		P1-A3 P2-A5					.15 NO .19 NO			7, 18 4	
A	4	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	48	2	E1-B SHLD A4					.25 NO .25 NO				
A	4W		P1-A4 P2-A6					.15 NO .19 NO			7, 18 4	
A	5	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	58	2	E1-B SHLD A5					.25 NO .25 NO				
A	5W		P1-A5 P2-B1					.15 NO .19 NO			7, 18 4	
A	6	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	68	2	E1-B SHLD A6					.25 NO .25 NO				
A	6W		P1-A6 P2-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 7 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	78	2	E1-B SHLD A7					.25 NO .25 NO				
A	7W		P1-A7 P2-B3					.15 NO .19 NO			7, 18 4	
A	8	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	88	2	E1-B SHLD A8					.25 NO .25 NO				
A	8W		P1-A8 P2-B4					.15 NO .19 NO			7, 18 4	
A	9	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	98	2	E1-B SHLD A9					.25 NO .25 NO				
A	9W		P1-A9 P2-B5					.15 NO .19 NO			7, 18 4	
A	10	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	108	2	E1-B SHLD A10					.25 NO .25 NO				
A	10W		P1-A10 P2-B6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 8 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	11	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	118	2	E1-B SHLD A11					.25 NO .25 NO				
A	11W		P1-A11 P2-B7					.15 NO .19 NO			7, 18 4	
A	12	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	128	2	E1-B SHLD A12					.25 NO .25 NO				
A	12W		P1-A12 P2-B8					.15 NO .19 NO			7, 18 4	
A	13	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	138	2	E1-B SHLD A13					.25 NO .25 NO				
A	13W		P1-A13 P2-C1					.15 NO .19 NO			7, 18 4	
A	14	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	148	2	E1-B SHLD A14					.25 NO .25 NO				
A	14W		P1-A14 P2-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 9 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	15	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	158	2	E2-B SHLD A15					.25 NO .25 NO				
A	15W		P1-A15 P2-C3					.15 NO .19 NO			7, 18 4	
A	16	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	168	2	E2-B SHLD A16					.25 NO .25 NO				
A	16W		P1-B1 P2-C4					.15 NO .19 NO			7, 18 4	
A	17	1			6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	178	2	E2-B SHLD A17					.25 NO .25 NO				
A	17W		P1-B2 P2-C5					.15 NO .19 NO			7, 18 4	
A	18	1			6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	188	2	E2-B SHLD A18					.25 .25				
A	18W		P1-B3 P2-C6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 10 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 51B	2		E5-B SHLD A51					.25 NO .25 NO				
A 51W			P1-D6 P2-G7					.15 NO .19 NO			7, 18 4	
A 52	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 52B	2		E5-B SHLD A52					.25 NO .25 NO				
A 52W			P1-D7 P2-G8					.15 NO .19 NO			7, 18 4	
A 53	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 53B	2		E5-B SHLD A53					.25 NO .25 NO				
A 53W			P1-D8 P2-H1					.15 NO .19 NO			7, 18 4	
A 54	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 54B	2		E5-B SHLD A54					.25 NO .25 NO				
A 54W			P1-D9 P2-H2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 19 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 55	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 55B	2		E5-B SHLD A55					.25 NO .25 NO				
A 55W			P1-D10 P2-H3					.15 NO .19 NO			7, 18 4	
A 56	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 56B	2		E5-B SHLD A56					.25 NO .25 NO				
A 56W			P1-D11 P2-H4					.15 NO .19 NO			7, 18 4	
A 57	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 57B	2		E5-B SHLD A57					.25 NO .25 NO				
A 57W			P1-D12 P2-H5					.15 NO .19 NO			7, 18 4	
A 58	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 58B	2		E5-B SHLD A58					.25 NO .25 NO				
A 58W			P1-D13 P2-H6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 20 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 59B	2		E5-B SHLD A59					.25 NO .25 NO				
A 59W			P1-D14 P2-H7					.15 NO .19 NO			7, 18 4	
A 60	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 60B	2		E5-B SHLD A60					.25 NO .25 NO				
A 60W			P1-D15 P2-H8					.15 NO .19 NO			7, 18 4	
A 61	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 61B	2		E5-B SHLD A61					.25 NO .25 NO				
A 61W			P1-F1 P2-J1					.15 NO .19 NO			7, 18 4	
A 62	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 62B	2		E5-B SHLD A62					.25 NO .25 NO				
A 62W			P1-F2 P2-J2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 21 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 63	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 63B	2		E6-B SHLD A63					.25 NO .25 NO				
A 63W			P1-F3 P2-J3					.15 NO .19 NO			7, 18 4	
A 64	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 64B	2		E6-B SHLD A64					.25 NO .25 NO				
A 64W			P1-F4 P2-J4					.15 NO .19 NO			7, 18 4	
A 65	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 65B	2		E6-B SHLD A65					.25 NO .25 NO				
A 65W			P1-F5 P2-J5					.15 NO .19 NO			7, 18 4	
A 66	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 66B	2		E6-B SHLD A66					.25 NO .25 NO				
A 66W			P1-F6 P2-J6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 22 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 83	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 83B	2		E7-B SHLD A83					.25 NO .25 NO				
A 83W			P1-G8 P2-M7					.15 NO .19 NO			7, 18 4	
A 84	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 84B	2		E7-B SHLD A84					.25 NO .25 NO				
A 84W			P1-G9 P2-M8					.15 NO .19 NO			7, 18 4	
A 85	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 85B	2		E7-B SHLD A85					.25 NO .25 NO				
A 85W			P1-G10 P2-N1					.15 NO .19 NO			7, 18 4	
A 86	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 86B	2		E7-B SHLD A86					.25 NO .25 NO				
A 86W			P1-G11 P2-N2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 27 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 87B	2		E8-B SHLD A87					.25 NO .25 NO				
A 87W			P1-G12 P2-N3					.15 NO .19 NO			7, 18 4	
A 88	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 88B	2		E8-B SHLD A88					.25 NO .25 NO				
A 88W			P1-G13 P2-N4					.15 NO .19 NO			7, 18 4	
A 89	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 89B	2		E8-B SHLD A89					.25 NO .25 NO				
A 89W			P1-G14 P2-N5					.15 NO .19 NO			7, 18 4	
A 90	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 90B	2		E8-B SHLD A90					.25 NO .25 NO				
A 90W			P1-G15 P2-N6					.13 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 28 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 91B	2		E8-B SHLD A91					.25 NO .25 NO				
A 91W			P1-H1 P2-N7					.15 NO .19 NO			7, 18 4	
A 92	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 92B	2		E8-B SHLD A92					.25 NO .25 NO				
A 92W			P1-H2 P2-N8					.15 NO .19 NO			7, 18 4	
A 93	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 93B	2		E8-B SHLD A93					.25 NO .25 NO				
A 93W			P1-H3 P2-P1					.15 NO .19 NO			7, 18 4	
A 94	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 94B	2		E8-B SHLD A94					.25 NO .25 NO				
A 94W			P1-H4 P2-P2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 29 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 95B	2		E8-B SHLD A95					.25 NO .25 NO				
A 95W			P1-H5 P2-P3					.15 NO .19 NO			7, 18 4	
A 96	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 96B	2		E8-B SHLD A96					.25 NO .25 NO				
A 96W			P1-H6 P2-P4					.15 NO .19 NO			7, 18 4	
A 97	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 97B	2		E8-B SHLD A97					.25 NO .25 NO				
A 97W			P1-H7 P2-P5					.15 NO .19 NO			7, 18 4	
A 98	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 98B	2		E8-B SHLD A98					.25 NO .25 NO				
A 98W			P1-H8 P2-P6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 30 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 190	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 190B	2		E16-8 SHLD A190					.25 NO .25 NO				
A 190W			P1-H25 P3-G2					.15 NO .19 NO			7, 18 4	
A 191	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 191B	2		E16-8 SHLD A191					.25 NO .25 NO				
A 191W			P1-K16 P3-G3					.15 NO .19 NO			7, 18 4	
A 192	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 192B	2		E16-8 SHLD A192					.25 NO .25 NO				
A 192W			P1-K17 P3-G4					.15 NO .19 NO			7, 18 4	
A 200	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 200B	2		E16-8 SHLD A200					.25 NO .25 NO				
A 200W			P1-K25 P3-H4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 51 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 201	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 201B	2		E16-8 SHLD A201					.25 NO .25 NO				
A 201W			P1-A26 P3-H5					.15 NO .19 NO			7, 18 4	
A 202	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 202B	2		E16-8 SHLD A202					.25 NO .25 NO				
A 202W			P1-A27 P3-H6					.15 NO .19 NO			7, 18 4	
A 203	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 203B	2		E16-8 SHLD A203					.25 NO .25 NO				
A 203W			P1-A28 P3-H7					.15 NO .19 NO			7, 18 4	
A 204	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 204B	2		E16-8 SHLD A204					.25 NO .25 NO				
A 204W			P1-A29 P3-H8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 52 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 205	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 205B	2		E16-8 SHLD A205					.25 NO .25 NO				
A 205W			P1-A30 P3-J1					.15 NO .19 NO			7, 18 4	
A 206	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 206B	2		E16-8 SHLD A206					.25 NO .25 NO				
A 206W			P1-A31 P3-J2					.15 NO .19 NO			7, 18 4	
A 207	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 207B	2		E16-8 SHLD A207					.25 NO .25 NO				
A 207W			P1-A32 P3-J3					.15 NO .19 NO			7, 18 4	
A 208	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 208B	2		E17-8 SHLD A208					.25 NO .25 NO				
A 208W			P1-A33 P3-J4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 53 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 209B	2		E17-8 SHLD A209					.25 NO .25 NO				
A 209W			P1-A34 P3-J5					.15 NO .19 NO			7, 18 4	
A 210	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 210B	2		E17-8 SHLD A210					.25 NO .25 NO				
A 210W			P1-A35 P3-J6					.15 NO .19 NO			7, 18 4	
A 211	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 211B	2		E17-8 SHLD A211					.25 NO .25 NO				
A 211W			P1-B26 P3-J7					.15 NO .19 NO			7, 18 4	
A 212	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 212B	2		E17-8 SHLD A212					.25 NO .25 NO				
A 212W			P1-B27 P3-J8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 54 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 213	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 213B	2		E17-8 SHLD A213					.25 NO .25 NO				
A 213W			P1-B28 P3-K1					.15 NO .19 NO			7, 18 4	
A 214	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 214B	2		E17-8 SHLD A214					.25 NO .25 NO				
A 214W			P1-B29 P3-K2					.15 NO .19 NO			7, 18 4	
A 215	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 215B	2		E17-8 SHLD A215					.25 NO .25 NO				
A 215W			P1-B30 P3-K3					.15 NO .19 NO			7, 18 4	
A 216	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 216B	2		E17-8 SHLD A216					.25 NO .25 NO				
A 216W			P1-B31 P3-K6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 55 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 217	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 217B	2		E17-8 SHLD A217					.25 NO .25 NO				
A 217W			P1-B32 P3-K7					.15 NO .19 NO			7, 18 4	
A 218	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 218B	2		E17-8 SHLD A218					.25 NO .25 NO				
A 218W			P1-B33 P3-K8					.15 NO .19 NO			7, 18 4	
A 219	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 219B	2		E17-8 SHLD A219					.25 NO .25 NO				
A 219W			P1-B34 P3-L1					.15 NO .19 NO			7, 18 4	
A 220	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 220B	2		E18-8 SHLD A220					.25 .25				
A 220W			P1-B35 P3-L2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 56 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 221B	2		E18-8 SHLD A221					.25 .25				
A 221W			P1-C26 P3-L7					.15 .19			7, 18 4	
A 222	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 222B	2		E18-8 SHLD A222					.25 .25				
A 222W			P1-C27 P3-L8					.15 .19			7, 18 4	
A 223	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 223B	2		E18-8 SHLD A223					.25 .25				
A 223W			P1-C28 P3-M1					.15 .19			7, 18 4	
A 224	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 224B	2		E18-8 SHLD A224					.25 .25				
A 224W			P1-C29 P3-M2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 57 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 225	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 225B	2		E18-8 SHLD A225					.25 .25				
A 225W			P1-C30 P3-M3					.15 .19			7, 18 4	
A 226	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 226B	2		E18-8 SHLD A226					.25 .25				
A 226W			P1-C31 P3-M6					.15 .19			7, 18 4	
A 227	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 227B	2		E18-8 SHLD A227					.25 .25				
A 227W			P1-C32 P3-M7					.15 .19			7, 18 4	
A 228	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 228B	2		E18-8 SHLD A228					.25 NO .25 NO				
A 228W			P1-C33 P3-M8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 58 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 295	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 295B	2		E26-B SHLD A295					.25 NO .25 NO				
A 295W			P1-C38 P4-X4					.15 NO .19 NO			7, 18 4	
A 296	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 296B	2		E26-B SHLD A296					.25 NO .25 NO				
A 296W			P1-C39 P4-X5					.15 NO .19 NO			7, 18 4	
A 297	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 297B	2		E24-B SHLD A297					.25 NO .25 NO				
A 297W			P1-C40 P3-E1					.15 NO .19 NO			7, 18 4	
A 298	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 298B	2		E24-B SHLD A298					.25 NO .25 NO				
A 298W			P1-C41 P3-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR F	SHEET 75 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 299	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 299B	2		E24-B SHLD A299					.25 NO .25 NO				
A 299W			P1-D36 P3-E3					.15 NO .19 NO			7, 18 4	
A 300	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 300B	2		E24-B SHLD A300					.25 NO .25 NO				
A 300W			P1-D37 P3-E4					.15 NO .19 NO			7, 18 4	
A 301	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 301B	2		E24-B SHLD A301					.25 NO .25 NO				
A 301W			P1-D38 P3-E5					.15 NO .19 NO			7, 18 4	
A 302	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 302B	2		E24-B SHLD A302					.25 NO .25 NO				
A 302W			P1-D39 P3-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 76 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 303	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 303B	2		E24-B SHLD A303					.25 NO .25 NO				
A 303W			P1-D40 P3-E7					.15 NO .19 NO			7, 18 4	
A 304	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 304B	2		E24-B SHLD A304					.25 NO .25 NO				
A 304W			P1-D41 P3-E8					.15 NO .19 NO			7, 18 4	
A 305	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 305B	2		E25-B SHLD A305					.25 NO .25 NO				
A 305W			P1-F36 P4-A3					.15 NO .19 NO			7, 18 4	
A 306	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 306B	2		E25-B SHLD A306					.25 NO .25 NO				
A 306W			P1-F37 P4-A4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 77 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 307	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 307B	2		E25-B SHLD A307					.25 NO .25 NO				
A 307W			P1-F38 P4-A5					.15 NO .19 NO			7, 18 4	
A 308	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 308B	2		E25-B SHLD A308					.25 NO .25 NO				
A 308W			P1-F39 P4-A6					.15 NO .19 NO			7, 18 4	
A 309	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 309B	2		E25-B SHLD A309					.25 NO .25 NO				
A 309W			P1-F40 P4-B1					.15 NO .19 NO			7, 18 4	
A 310	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 310B	2		E25-B SHLD A310					.25 NO .25 NO				
A 310W			P1-F41 P4-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 78 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 99	1				5.25	5.00				8,7	9	
					5.25	5.00				A,6A	8, 9	
A 99B	2		E9-8					.25	NO			
			SHLD A99					.25	NO			
A 99W			P1-H9					.15	NO		7, 18	
			P2-P7					.19	NO		4	
A 100	1				5.75	5.50				8,7	9	
					5.75	5.50				A,6A	8, 9	
A 100B	2		E9-8					.25	NO			
			SHLD A100					.25	NO			
A 100W			P1-H10					.15	NO		7, 18	
			P2-P8					.19	NO		4	
A 101	1				5.75	5.50				8,7	9	
					5.75	5.50				A,6A	8, 9	
A 101B	2		E9-8					.25	NO			
			SHLD A101					.25	NO			
A 101W			P1-H11					.15	NO		7, 18	
			P2-R1					.19	NO		4	
A 102	1				5.75	5.50				8,7	9	
					5.75	5.50				A,6A	8, 9	
A 102B	2		E9-8					.25	NO			
			SHLD A102					.25	NO			
A 102W			P1-H12					.15	NO		7, 18	
			P2-R2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR *E	SHEET 31 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 103	1				5.75	5.50				8,7	9	
					5.75	5.50				A,6A	8, 9	
A 103B	2		E9-8					.25	NO			
			SHLD A103					.25	NO			
A 103W			P1-H13					.15	NO		7, 18	
			P2-R3					.19	NO		4	
A 104	1				7.25	7.00				8,7	9	
					6.25	6.00				A,6A	8, 9	
A 104B	2		E9-8					.25	NO			
			SHLD A104					.25	NO			
A 104W			P1-H14					.15	NO		7, 18	
			P2-R4					.19	NO		4	
A 105	1				7.25	7.00				8,7	9	
					6.25	6.00				A,6A	8, 9	
A 105B	2		E9-8					.25	NO			
			SHLD A105					.25	NO			
A 105W			P1-H15					.15	NO		7, 18	
			P2-R5					.19	NO		4	
A 108	1				7.75	7.50				8,7	9	
					6.75	6.50				A,6A	8, 9	
A 108B	2		E9-8					.25	NO			
			SHLD A108					.25	NO			
A 108W			P1-K3					.15	NO		7, 18	
			P2-R8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR *E	SHEET 32 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	1				7.75	7.50				8,7	9	
					6.75	6.50				A,6A	8, 9	
A 109B	2		E9-8					.25	NO			
			SHLD A109					.25	NO			
A 109W			P1-K4					.15	NO		7, 18	
			P2-S1					.19	NO		4	
A 110	1				7.75	7.50				8,7	9	
					6.75	6.50				A,6A	8, 9	
A 110B	2		E9-8					.25	NO			
			SHLD A110					.25	NO			
A 110W			P1-K5					.15	NO		7, 18	
			P2-S2					.19	NO		4	
A 111	1				7.75	7.50				8,7	9	
					6.75	6.50				A,6A	8, 9	
A 111B	2		E9-8					.25	NO			
			SHLD A111					.25	NO			
A 111W			P1-K6					.15	NO		7, 18	
			P2-S3					.19	NO		4	
A 112	1				7.75	7.50				8,7	9	
					6.75	6.50				A,6A	8, 9	
A 112B	2		E9-8					.25	NO			
			SHLD A112					.25	NO			
A 112W			P1-K7					.15	NO		7, 18	
			P2-S4					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR *E	SHEET 33 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	1				7.75	7.50				8,7	9	
					6.75	6.50				A,6A	8, 9	
A 113B	2		E10-8					.25	NO			
			SHLD A113					.25	NO			
A 113W			P1-K8					.15	NO		7, 18	
			P2-S5					.19	NO		4	
A 114	1				7.75	7.50				8,7	9	
					6.75	6.50				A,6A	8, 9	
A 114B	2		E10-8					.25	NO			
			SHLD A114					.25	NO			
A 114W			P1-K9					.15	NO		7, 18	
			P2-S6					.19	NO		4	
A 115	1				7.75	7.50				8,7	9	
					6.75	6.50				A,6A	8, 9	
A 115B	2		E10-8					.25	NO			
			SHLD A115					.25	NO			
A 115W			P1-K10					.15	NO		7, 18	
			P2-S7					.19	NO		4	
A 116	1				3.25	3.00				8,7	9	
					3.25	3.00				A,6A	8, 9	
A 116B	2		E10-8					.25	NO			
			SHLD A116					.25	NO			
A 116W			P1-K11					.15	NO		7, 18	
			P2-S8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR *E	SHEET 34 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 117	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 117B	2		E10-8 SHLD A117					.25 NO .25 NO				
A 117W			P1-K12 P2-T1					.15 NO .19 NO			7, 18 4	
A 118	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 118B	2		E10-8 SHLD A118					.25 NO .25 NO				
A 118W			P1-K13 P2-T2					.15 NO .19 NO			7, 18 4	
A 119	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 119B	2		E10-8 SHLD A119					.25 NO .25 NO				
A 119W			P1-K14 P2-T3					.15 NO .19 NO			7, 18 4	
A 120	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 120B	2		E10-8 SHLD A120					.25 NO .25 NO				
A 120W			P1-K15 P2-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR *E	SHEET 35 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 130	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 130B	2		E11-8 SHLD A130					.25 NO .25 NO				
A 130W			P1-A25 P2-U6					.15 NO .19 NO			7, 18 4	
A 131	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 131B	2		E11-8 SHLD A131					.25 NO .25 NO				
A 131W			P1-B16 P2-U7					.15 NO .19 NO			7, 18 4	
A 132	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 132B	2		E11-8 SHLD A132					.25 NO .25 NO				
A 132W			P1-B17 P2-U8					.15 NO .19 NO			7, 18 4	
A 133	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 133B	2		E11-8 SHLD A133					.25 NO .25 NO				
A 133W			P1-B18 P2-V1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR *E	SHEET 36 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 134	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 134B	2		E11-8 SHLD A134					.25 NO .25 NO				
A 134W			R1-B19 P2-V2					.15 NO .19 NO			7, 18 4	
A 135	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 135B	2		E11-8 SHLD A135					.25 NO .25 NO				
A 135W			P1-B20 P2-V3					.15 NO .19 NO			7, 18 4	
A 136	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 136B	2		E11-8 SHLD A136					.25 NO .25 NO				
A 136W			P1-B21 P2-V4					.15 NO .19 NO			7, 18 4	
A 137	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 137B	2		E11-8 SHLD A137					.25 NO .25 NO				
A 137W			P1-B22 P2-V5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR *E	SHEET 37 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 138B	2		E11-8 SHLD A138					.25 NO .25 NO				
A 138W			P1-B23 P2-V6					.15 NO .19 NO			7, 18 4	
A 139	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 139B	2		E11-8 SHLD A139					.25 NO .25 NO				
A 139W			P1-B24 P2-V7					.15 NO .19 NO			7, 18 4	
A 140	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 140B	2		E11-8 SHLD A140					.25 NO .25 NO				
A 140W			P1-B25 P2-V8					.15 NO .19 NO			7, 18 4	
A 141	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 141B	2		E12-8 SHLD A141					.25 NO .25 NO				
A 141W			P1-C16 P2-W1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR *E	SHEET 38 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 229	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2298	2		E18-8 SHLD A229					.25 NO .25 NO				
A 229W			P1-C34 P3-N1					.15 NO .19 NO			7, 18 4	
A 230	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 230B	2		E18-8 SHLD A230					.25 NO .25 NO				
A 230W			P1-C35 P3-N2					.15 NO .19 NO			7, 18 4	
A 231	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2318	2		E18-8 SHLD A231					.25 NO .25 NO				
A 231W			P1-D26 P3-N3					.15 NO .19 NO			7, 18 4	
A 232	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2328	2		E19-8 SHLD A232					.25 NO .25 NO				
A 232W			P1-D27 P3-N4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 59 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 233	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2338	2		E19-8 SHLD A233					.25 NO .25 NO				
A 233W			P1-D28 P3-N5					.15 NO .19 NO			7, 18 4	
A 234	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2348	2		E19-8 SHLD A234					.25 NO .25 NO				
A 234W			P1-D29 P3-N6					.15 NO .19 NO			7, 18 4	
A 235	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2358	2		E19-8 SHLD A235					.25 NO .25 NO				
A 235W			P1-D30 P3-N7					.15 NO .19 NO			7, 18 4	
A 236	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 2368	2		E19-8 SHLD A236					.25 NO .25 NO				
A 236W			P1-D31 P3-N8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 60 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 2378	2		E19-8 SHLD A237					.25 NO .25 NO				
A 237W			P1-D32 P3-P1					.15 NO .19 NO			7, 18 4	
A 238	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 238B	2		E19-8 SHLD A238					.25 NO .25 NO				
A 238W			P1-D33 P3-P2					.15 NO .19 NO			7, 18 4	
A 239	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 2398	2		E19-8 SHLD A239					.25 NO .25 NO				
A 239W			P1-D34 P3-P3					.15 NO .19 NO			7, 18 4	
A 240	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 2408	2		E19-8 SHLD A240					.25 NO .25 NO				
A 240W			P1-D35 P3-P4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 61 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 241	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 2418	2		E19-8 SHLD A241					.25 NO .25 NO				
A 241W			P1-F26 P3-P5					.15 NO .19 NO			7, 18 4	
A 242	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 2428	2		E19-8 SHLD A242					.25 NO .25 NO				
A 242W			P1-F27 P3-P6					.15 NO .19 NO			7, 18 4	
A 243	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 2438	2		E19-8 SHLD A243					.25 NO .25 NO				
A 243W			P1-F28 P3-P7					.15 NO .19 NO			7, 18 4	
A 244	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 2448	2		E20-8 SHLD A244					.25 NO .25 NO				
A 244W			P1-F29 P3-P8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 62 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2618	2		E21-B SHLD A261					.25 NO .25 NO				
A 261W			P1-H26 P3-T1					.15 NO .19 NO			7, 18 4	
A 262	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2628	2		E21-B SHLD A262					.25 NO .25 NO				
A 262W			P1-H27 P3-T2					.15 NO .19 NO			7, 18 4	
A 263	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2638	2		E21-B SHLD A263					.25 NO .25 NO				
A 263W			P1-H28 P3-T3					.15 NO .19 NO			7, 18 4	
A 264	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2648	2		E21-B SHLD A264					.25 NO .25 NO				
A 264W			P1-H29 P3-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 67 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2658	2		E21-B SHLD A265					.25 NO .25 NO				
A 265W			P1-H30 P3-T5					.15 NO .19 NO			7, 18 4	
A 266	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2668	2		E21-B SHLD A266					.25 NO .25 NO				
A 266W			P1-H31 P3-T6					.15 NO .19 NO			7, 18 4	
A 267	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2678	2		E21-B SHLD A267					.25 NO .25 NO				
A 267W			P1-H32 P3-T7					.15 NO .19 NO			7, 18 4	
A 268	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2688	2		E22-B SHLD A268					.25 NO .25 NO				
A 268W			P1-H33 P3-T8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 68 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 269	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2698	2		E22-B SHLD A269					.25 NO .25 NO				
A 269W			P1-H34 P3-U1					.15 NO .19 NO			7, 18 4	
A 270	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2708	2		E22-B SHLD A270					.25 NO .25 NO				
A 270W			P1-H35 P3-U2					.15 NO .19 NO			7, 18 4	
A 271	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2718	2		E22-B SHLD A271					.25 NO .25 NO				
A 271W			P1-K26 P3-U3					.15 NO .19 NO			7, 18 4	
A 272	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2728	2		E22-B SHLD A272					.25 NO .25 NO				
A 272W			P1-K27 P3-U4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 69 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2738	2		E22-B SHLD A273					.25 NO .25 NO				
A 273W			P1-K28 P3-U5					.15 NO .19 NO			7, 18 4	
A 274	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2748	2		E22-B SHLD A274					.25 NO .25 NO				
A 274W			P1-K29 P3-U6					.15 NO .19 NO			7, 18 4	
A 275	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2758	2		E22-B SHLD A275					.25 NO .25 NO				
A 275W			P1-K30 P3-U7					.15 NO .19 NO			7, 18 4	
A 276	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2768	2		E22-B SHLD A276					.25 NO .25 NO				
A 276W			P1-K31 P3-U8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 70 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2778	2		E22-B SHLD A277					.25 NO .25 NO				
A 277W			P1-K32 P3-V1					.15 NO .19 NO			7, 18 4	
A 278	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2788	2		E22-B SHLD A278					.25 NO .25 NO				
A 278W			P1-K33 P3-V2					.15 NO .19 NO			7, 18 4	
A 279	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2798	2		E22-B SHLD A279					.25 NO .25 NO				
A 279W			P1-K34 P3-V3					.15 NO .19 NO			7, 18 4	
A 280	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2808	2		E23-B SHLD A280					.25 NO .25 NO				
A 280W			P1-K35 P3-V4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ΔE	SHEET 71 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 281	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2818	2		E23-B SHLD A281					.25 NO .25 NO				
A 281W			P1-A36 P3-V5					.15 NO .19 NO			7, 18 4	
A 282	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2828	2		E23-B SHLD A282					.25 NO .25 NO				
A 282W			P1-A37 P3-V6					.15 NO .19 NO			7, 18 4	
A 283	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2838	2		E23-B SHLD A283					.25 NO .25 NO				
A 283W			P1-A38 P3-V7					.15 NO .19 NO			7, 18 4	
A 284	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2848	2		E23-B SHLD A284					.25 .25				
A 284W			P1-A39 P3-V8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ΔE	SHEET 72 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 287	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2878	2		E23-B SHLD A287					.25 .25				
A 287W			P1-B36 P3-W3					.15 .19			7, 18 4	
A 288	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2888	2		E23-B SHLD A288					.25 .25				
A 288W			P1-B37 P3-W4					.15 .19			7, 18 4	
A 289	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2898	2		E23-B SHLD A289					.25 .25				
A 289W			P1-B38 P3-W5					.15 .19			7, 18 4	
A 290	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2908	2		E23-B SHLD A290					.25 .25				
A 290W			P1-B39 P3-W6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ΔE	SHEET 73 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 291	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2918	2		E23-B SHLD A291					.25 .25				
A 291W			P1-B40 P3-W7					.15 .19			7, 18 4	
A 292	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2928	2		E23-B SHLD A292					.25 NO .25 NO				
A 292W			P1-B41 P3-W8					.15 NO .19 NO			7, 18 4	
A 293	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2938	2		E23-B SHLD A293					.25 NO .25 NO				
A 293W			P1-C36 P3-X3					.15 NO .19 NO			7, 18 4	
A 294	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2948	2		E24-B SHLD A294					.25 NO .25 NO				
A 294W			P1-C37 P3-X4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ΔE	SHEET 74 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 295	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 295B	2		E24-B SHLD A295					.25 .25	NO NO			
A 295W			P1-C38 P4-X4					.15 .19	NO NO		7, 18 4	
A 296	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 296B	2		E24-B SHLD A296					.25 .25	NO NO			
A 296W			P1-C39 P4-X5					.15 .19	NO NO		7, 18 4	
A 297	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 297B	2		E24-B SHLD A297					.25 .25	NO NO			
A 297W			P1-C40 P3-E1					.15 .19	NO NO		7, 18 4	
A 298	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 298B	2		E24-B SHLD A298					.25 .25	NO NO			
A 298W			P1-C41 P3-E2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 75 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 299	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 299B	2		E24-B SHLD A299					.25 .25	NO NO			
A 299W			P1-D36 P3-E3					.15 .19	NO NO		7, 18 4	
A 300	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 300B	2		E24-B SHLD A300					.25 .25	NO NO			
A 300W			P1-D37 P3-E4					.15 .19	NO NO		7, 18 4	
A 301	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 301B	2		E24-B SHLD A301					.25 .25	NO NO			
A 301W			P1-D38 P3-E5					.15 .19	NO NO		7, 18 4	
A 302	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 302B	2		E24-B SHLD A302					.25 .25	NO NO			
A 302W			P1-D39 P3-E6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 76 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 303	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 303B	2		E24-B SHLD A303					.25 .25	NO NO			
A 303W			P1-D40 P3-E7					.15 .19	NO NO		7, 18 4	
A 304	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 304B	2		E24-B SHLD A304					.25 .25	NO NO			
A 304W			P1-D41 P3-E8					.15 .19	NO NO		7, 18 4	
A 305	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 305B	2		E25-B SHLD A305					.25 .25	NO NO			
A 305W			P1-F36 P4-A3					.15 .19	NO NO		7, 18 4	
A 306	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 306B	2		E25-B SHLD A306					.25 .25	NO NO			
A 306W			P1-F37 P4-A4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 77 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 307	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 307B	2		E25-B SHLD A307					.25 .25	NO NO			
A 307W			P1-F38 P4-A5					.15 .19	NO NO		7, 18 4	
A 308	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 308B	2		E25-B SHLD A308					.25 .25	NO NO			
A 308W			P1-F39 P4-A6					.15 .19	NO NO		7, 18 4	
A 309	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 309B	2		E25-B SHLD A309					.25 .25	NO NO			
A 309W			P1-F40 P4-B1					.15 .19	NO NO		7, 18 4	
A 310	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 310B	2		E25-B SHLD A310					.25 .25	NO NO			
A 310W			P1-F41 P4-B2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 78 OF 86

MIL 2084 9-85

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER - A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.
4	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
7	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE
8	MARK REFERENCE DESIGNATIONS SHOWN PER ND1002019, HOT IMPRESSION STAMPING, USING .12 BLACK CHARACTERS CENTRALIZED
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 16 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP. USE ONLY IF REQUIRED.
10	SERIALIZE PER ND1002023
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	ASSEMBLE PER ND1002032

MIL 2084 9-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	AT ASSEMBLY OF ITEM 19 REMOVE 4 SELF-LOCKING NUTS SECURING LOCATING PINS TO CONNECTOR AND DISCARD. ATTACH ITEM 19 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MIL 2084 9-65

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	1	1	2901061-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 1216 FT TOTAL LENGTH
6	2	1	2901061-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 152 FT TOTAL LENGTH
6	3	1	2901061-003	ZIPPER TUBING PER ND1002155 TYPE 4 GREY 2.0, 2.0, .75 DIA 4 FT TOTAL LENGTH 3 CHANNEL
4	4	304	1016369-421	CONTACT, SOCKET
	5	1	2901061-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 2 FT TOTAL LENGTH
	6	1	2901061-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 11 FT TOTAL LENGTH
4	7	304	1897300-002	CONTACT, SPRING SOCKET
4	8	304	1010763-002	SOLDER SLEEVE
4	9	608	1010490-232	INSULATION SLEEVING SHRINK FIT
	10	1	2901434-011	CONNECTOR
4	11	1	2900963-011	CONNECTOR
4	12	28	1016006-002	SPLICE REDUCER
4	13	28	1010490-258	INSULATION SLEEVING SHRINK FIT
	14		1015902-003	DELETED
4	15	5	1016128-021	BAND IDENTIFICATION

MIL 2084 9-65

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	AR	MIL-I-631 TYPE F FORM T BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
	17	AR	MIL-T-713B TYPE P CLASS 2 BLK	LACING TAPE
4	18	304	1015864-232	INSULATION SLEEVING, ELECT.
4	19	3	1897391	CLAMP, CABLE DUAL ENTRY
	20		1010490-166	DELETED
4	21	1	1016006-004	SPLICE REDUCER
4	22	1	1010490-342	INSULATION SLEEVING SHRINK FIT
	23	1	2901434-021	CONNECTOR
	24	1	2901434-031	CONNECTOR
	25	AR	MIL-I-15126 TYPE ACT	INSULATION TAPE ELEC PRESSURE SENSITIVE THERMO SETTING ADHESIVE, .75 + OR -.03 WIDE (ES2716 TYPE C)
4	26	3	1016369-721	CONTACT, SOCKET

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 NO .25 NO				
A 19W			P1-B4 P2-C7					.15 NO .19 NO			7, 18 4	
A 20	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 NO .25 NO				
A 20W			P1-B5 P2-C8					.15 NO .19 NO			7, 18 4	
A 21	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 21B	2		E2-B SHLD A21					.25 NO .25 NO				
A 21W			P1-B6 P2-D1					.15 NO .19 NO			7, 18 4	
A 22	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 22B	2		E2-B SHLD A22					.25 NO .25 NO				
A 22W			P1-B7 P2-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 11 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 23	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 23B	2		E2-B SHLD A23					.25 NO .25 NO				
A 23W			P1-B8 P2-D3					.15 NO .19 NO			7, 18 4	
A 24	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 24B	2		E2-B SHLD A24					.25 NO .25 NO				
A 24W			P1-B9 P2-D4					.15 NO .19 NO			7, 18 4	
A 25	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 25B	2		E2-B SHLD A25					.25 NO .25 NO				
A 25W			P1-B10 P2-D5					.15 NO .19 NO			7, 18 4	
A 26	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 26B	2		E2-B SHLD A26					.25 NO .25 NO				
A 26W			P1-B11 P2-D6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 12 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 NO .25 NO				
A 27W			P1-B12 P2-D7					.15 NO .19 NO			7, 18 4	
A 28	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 NO .25 NO				
A 28W			P1-B13 P2-D8					.15 NO .19 NO			7, 18 4	
A 29	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 NO .25 NO				
A 29W			P1-B14 P2-E1					.15 NO .19 NO			7, 18 4	
A 30	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 NO .25 NO				
A 30W			P1-B15 P2-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 13 OF 86

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 31	1				6.75 3.75	6.50 3.50				B,7 A,6A		
A 31B	2		E3-B SHLD A31					.25 NO .25 NO				
A 31W			P1-C1 P2-E3					.15 NO .19 NO			7, 18 4	
A 32	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 32B	2		E3-B SHLD A32					.25 NO .25 NO				
A 32W			P1-C2 P2-E4					.15 NO .19 NO			7, 18 4	
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		E3-B SHLD A33					.25 NO .25 NO				
A 33W			P1-C3 P2-E5					.15 NO .19 NO			7, 18 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E3-B SHLD A34					.25 NO .25 NO				
A 34W			P1-C4 P2-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 14 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 51B	2		E5-B SHLD A51					.25 NO .25 NO				
A 51W			P1-D6 P2-G7					.15 NO .19 NO			7, 18 4	
A 52	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 52B	2		E5-B SHLD A52					.25 NO .25 NO				
A 52W			P1-D7 P2-G8					.15 NO .19 NO			7, 18 4	
A 53	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 53B	2		E5-B SHLD A53					.25 NO .25 NO				
A 53W			P1-D8 P2-H1					.15 NO .19 NO			7, 18 4	
A 54	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 54B	2		E5-B SHLD A54					.25 NO .25 NO				
A 54W			P1-D9 P2-H2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 19 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 55	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 55B	2		E5-B SHLD A55					.25 NO .25 NO				
A 55W			P1-D10 P2-H3					.15 NO .19 NO			7, 18 4	
A 56	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 56B	2		E5-B SHLD A56					.25 NO .25 NO				
A 56W			P1-D11 P2-H4					.15 NO .19 NO			7, 18 4	
A 57	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 57B	2		E5-B SHLD A57					.25 NO .25 NO				
A 57W			P1-D12 P2-H5					.15 NO .19 NO			7, 18 4	
A 58	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 58B	2		E5-B SHLD A58					.25 NO .25 NO				
A 58W			P1-D13 P2-H6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 20 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 59B	2		E5-B SHLD A59					.25 NO .25 NO				
A 59W			P1-D14 P2-H7					.15 NO .19 NO			7, 18 4	
A 60	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 60B	2		E5-B SHLD A60					.25 NO .25 NO				
A 60W			P1-D15 P2-H8					.15 NO .19 NO			7, 18 4	
A 61	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 61B	2		E5-B SHLD A61					.25 NO .25 NO				
A 61W			P1-F1 P2-J1					.15 NO .19 NO			7, 18 4	
A 62	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 62B	2		E5-B SHLD A62					.25 NO .25 NO				
A 62W			P1-F2 P2-J2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 21 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 63	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 63B	2		E6-B SHLD A63					.25 NO .25 NO				
A 63W			P1-F3 P2-J3					.15 NO .19 NO			7, 18 4	
A 64	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 64B	2		E6-B SHLD A64					.25 NO .25 NO				
A 64W			P1-F4 P2-J4					.15 NO .19 NO			7, 18 4	
A 65	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 65B	2		E6-B SHLD A65					.25 NO .25 NO				
A 65W			P1-F5 P2-J5					.15 NO .19 NO			7, 18 4	
A 66	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 66B	2		E6-B SHLD A66					.25 NO .25 NO				
A 66W			P1-F6 P2-J6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 22 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	SHLD STRIP LG	SHLD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 83	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 83B	2		E7-B SHLD A83				.25 NO .25 NO				
A 83W			P1-G8 P2-M7				.15 NO .19 NO			7, 18 4	
A 84	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 84B	2		E7-B SHLD A84				.25 NO .25 NO				
A 84W			P1-G9 P2-M8				.15 NO .19 NO			7, 18 4	
A 85	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 85B	2		E7-B SHLD A85				.25 NO .25 NO				
A 85W			P1-G10 P2-N1				.15 NO .19 NO			7, 18 4	
A 86	1				4.25 4.25	4.00 4.00			8,7 A,6A	9 8, 9	
A 86B	2		E7-B SHLD A86				.25 NO .25 NO				
A 86W			P1-G11 P2-N2				.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 27 OF 86

MIL 2084 9.65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	SHLD STRIP LG	SHLD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87	1				4.25 4.25	4.00 4.00			8,7 A,6A	9 6, 9	
A 87B	2		E8-B SHLD A87				.25 NO .25 NO				
A 87W			P1-G12 P2-N3				.15 NO .19 NO			7, 18 4	
A 88	1				4.25 4.25	4.00 4.00			8,7 A,6A	9 8, 9	
A 88B	2		E8-B SHLD A88				.25 NO .25 NO				
A 88W			P1-G13 P2-N4				.15 NO .19 NO			7, 18 4	
A 89	1				4.25 4.25	4.00 4.00			8,7 A,6A	9 8, 9	
A 89B	2		E8-B SHLD A89				.25 NO .25 NO				
A 89W			P1-G14 P2-N5				.15 NO .19 NO			7, 18 4	
A 90	1				4.75 4.75	4.50 4.50			8,7 A,6A	9 8, 9	
A 90B	2		E8-B SHLD A90				.25 NO .25 NO				
A 90W			P1-G15 P2-N6				.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 28 OF 86

MIL 2084 9.65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	SHLD STRIP LG	SHLD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	1				4.75 4.75	4.50 4.50			8,7 A,6A	9 8, 9	
A 91B	2		E8-B SHLD A91				.25 NO .25 NO				
A 91W			P1-H1 P2-N7				.15 NO .19 NO			7, 18 4	
A 92	1				4.75 4.75	4.50 4.50			8,7 A,6A	9 8, 9	
A 92B	2		E8-B SHLD A92				.25 NO .25 NO				
A 92W			P1-H2 P2-N8				.15 NO .19 NO			7, 18 4	
A 93	1				4.75 4.75	4.50 4.50			8,7 A,6A	9 8, 9	
A 93B	2		E8-B SHLD A93				.25 NO .25 NO				
A 93W			P1-H3 P2-P1				.15 NO .19 NO			7, 18 4	
A 94	1				4.75 4.75	4.50 4.50			8,7 A,6A	9 8, 9	
A 94B	2		E8-B SHLD A94				.25 NO .25 NO				
A 94W			P1-H4 P2-P2				.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 29 OF 86

MIL 2084 9.65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	SHLD STRIP LG	SHLD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	1				4.75 4.75	4.50 4.50			8,7 A,6A	9 8, 9	
A 95B	2		E8-B SHLD A95				.25 NO .25 NO				
A 95W			P1-H5 P2-P3				.15 NO .19 NO			7, 18 4	
A 96	1				5.25 5.25	5.00 5.00			8,7 A,6A	9 8, 9	
A 96B	2		E8-B SHLD A96				.25 NO .25 NO				
A 96W			P1-H6 P2-P4				.15 NO .19 NO			7, 18 4	
A 97	1				5.25 5.25	5.00 5.00			8,7 A,6A	9 8, 9	
A 97B	2		E8-B SHLD A97				.25 NO .25 NO				
A 97W			P1-H7 P2-P5				.15 NO .19 NO			7, 18 4	
A 98	1				5.25 5.25	5.00 5.00			8,7 A,6A	9 8, 9	
A 98B	2		E8-B SHLD A98				.25 NO .25 NO				
A 98W			P1-H8 P2-P6				.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 30 OF 86

MIL 2084 9.65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 117	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 6, 9	
A 1178	2		E10-B SHLD A117					.25 .25	NO NO			
A 117W			P1-K12 P2-T1					.15 .19	NO NO		7, 18 4	
A 118	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 1188	2		E10-B SHLD A118					.25 .25	NO NO			
A 118W			P1-K13 P2-T2					.15 .19	NO NO		7, 18 4	
A 119	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 1198	2		E10-B SHLD A119					.25 .25	NO NO			
A 119W			P1-K14 P2-T3					.15 .19	NO NO		7, 18 4	
A 120	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 1208	2		E10-B SHLD A120					.25 .25	NO NO			
A 120W			P1-K15 P2-T4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 35 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 130	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 1308	2		E11-B SHLD A130					.25 .25	NO NO			
A 130W			P1-A25 P2-U6					.15 .19	NO NO		7, 18 4	
A 131	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 1318	2		E11-B SHLD A131					.25 .25	NO NO			
A 131W			P1-B16 P2-U7					.15 .19	NO NO		7, 18 4	
A 132	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1328	2		E11-B SHLD A132					.25 .25	NO NO			
A 132W			P1-B17 P2-U8					.15 .19	NO NO		7, 18 4	
A 133	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1338	2		E11-B SHLD A133					.25 .25	NO NO			
A 133W			P1-B18 P2-V1					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 36 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 134	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1348	2		E11-B SHLD A134					.25 .25	NO NO			
A 134W			P1-B19 P2-V2					.15 .19	NO NO		7, 18 4	
A 135	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1358	2		E11-B SHLD A135					.25 .25	NO NO			
A 135W			P1-B20 P2-V3					.15 .19	NO NO		7, 18 4	
A 136	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1368	2		E11-B SHLD A136					.25 .25	NO NO			
A 136W			P1-B21 P2-V4					.15 .19	NO NO		7, 18 4	
A 137	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1378	2		E11-B SHLD A137					.25 .25	NO NO			
A 137W			P1-B22 P2-V5					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 37 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1388	2		E11-B SHLD A138					.25 .25	NO NO			
A 138W			P1-B23 P2-V6					.15 .19	NO NO		7, 18 4	
A 139	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1398	2		E11-B SHLD A139					.25 .25	NO NO			
A 139W			P1-B24 P2-V7					.15 .19	NO NO		7, 18 4	
A 140	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 1408	2		E11-B SHLD A140					.25 .25	NO NO			
A 140W			P1-B25 P2-V8					.15 .19	NO NO		7, 18 4	
A 141	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 1418	2		E12-B SHLD A141					.25 .25	NO NO			
A 141W			P1-C16 P2-W1					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 38 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 158	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 158B	2		E13-B SHLD A158					.25 .25				
A 158W			P1-D23 P3-B2					.15 .19			7, 18 4	
A 159	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 159B	2		E13-B SHLD A159					.25 .25				
A 159W			P1-D24 P3-B3					.15 .19			7, 18 4	
A 160	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 160B	2		E13-B SHLD A160					.25 .25				
A 160W			P1-D25 P3-B4					.15 .19			7, 18 4	
A 161	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 161B	2		E13-B SHLD A161					.25 .25				
A 161W			P1-F16 P3-B5					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 43 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 162B	2		E13-B SHLD A162					.25 .25				
A 162W			P1-F17 P3-B6					.15 .19			7, 18 4	
A 163	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 163B	2		E13-B SHLD A163					.25 .25				
A 163W			P1-F18 P3-B7					.15 .19			7, 18 4	
A 164	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 164B	2		E13-B SHLD A164					.25 NO .25 NO				
A 164W			P1-F19 P3-B8					.15 NO .19 NO			7, 18 4	
A 165	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 165B	2		E14-B SHLD A165					.25 NO .25 NO				
A 165W			P1-F20 P3-C1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 44 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 166	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 166B	2		E14-B SHLD A166					.25 NO .25 NO				
A 166W			P1-F21 P3-C2					.15 NO .19 NO			7, 18 4	
A 167	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 167B	2		E14-B SHLD A167					.25 NO .25 NO				
A 167W			P1-F22 P3-C3					.15 NO .19 NO			7, 18 4	
A 168	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 168B	2		E14-B SHLD A168					.25 NO .25 NO				
A 168W			P1-F23 P3-C4					.15 NO .19 NO			7, 18 4	
A 169	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 169B	2		E14-B SHLD A169					.25 NO .25 NO				
A 169W			P1-F24 P3-C5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 45 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 170	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 170B	2		E14-B SHLD A170					.25 NO .25 NO				
A 170W			P1-F25 P3-C6					.15 NO .19 NO			7, 18 4	
A 171	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 171B	2		E14-B SHLD A171					.25 NO .25 NO				
A 171W			P1-G16 P3-C7					.15 NO .19 NO			7, 18 4	
A 172	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 172B	2		E14-B SHLD A172					.25 NO .25 NO				
A 172W			P1-G17 P3-C8					.15 NO .19 NO			7, 18 4	
A 173	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 173B	2		E14-B SHLD A173					.25 NO .25 NO				
A 173W			P1-G18 P3-D1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 46 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 174	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 174B	2		E14-B SHLD A174					.25 NO .25 NO				
A 174W			P1-G19 P3-D2					.15 NO .19 NO			7, 18 4	
A 175	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 175B	2		E14-B SHLD A175					.25 NO .25 NO				
A 175W			P1-G20 P3-D3					.15 NO .19 NO			7, 18 4	
A 176	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 176B	2		E14-B SHLD A176					.25 NO .25 NO				
A 176W			P1-G21 P3-D4					.15 NO .19 NO			7, 18 4	
A 177	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 177B	2		E15-B SHLD A177					.25 NO .25 NO				
A 177W			P1-G22 P3-D5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 47 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 178	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 178B	2		E15-B SHLD A178					.25 NO .25 NO				
A 178W			P1-G23 P3-D6					.15 NO .19 NO			7, 18 4	
A 179	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 179B	2		E15-B SHLD A179					.25 NO .25 NO				
A 179W			P1-G24 P3-D7					.15 NO .19 NO			7, 18 4	
A 180	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 180B	2		E15-B SHLD A180					.25 NO .25 NO				
A 180W			P1-G25 P3-D8					.15 NO .19 NO			7, 18 4	
A 181	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 181B	2		E15-B SHLD A181					.25 NO .25 NO				
A 181W			P1-H16 P3-F1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 48 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 182	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 182B	2		E15-B SHLD A182					.25 NO .25 NO				
A 182W			P1-H17 P3-F2					.15 NO .19 NO			7, 18 4	
A 183	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 183B	2		E15-B SHLD A183					.25 NO .25 NO				
A 183W			P1-H18 P3-F3					.15 NO .19 NO			7, 18 4	
A 184	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 184B	2		E15-B SHLD A184					.25 NO .25 NO				
A 184W			P1-H19 P3-F4					.15 NO .19 NO			7, 18 4	
A 185	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 185B	2		E15-B SHLD A185					.25 NO .25 NO				
A 185W			P1-H20 P3-F5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 49 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 186	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 186B	2		E15-B SHLD A186					.25 NO .25 NO				
A 186W			P1-H21 P3-F6					.15 NO .19 NO			7, 18 4	
A 187	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 187B	2		E15-B SHLD A187					.25 NO .25 NO				
A 187W			P1-H22 P3-F7					.15 NO .19 NO			7, 18 4	
A 188	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 188B	2		E15-B SHLD A188					.25 NO .25 NO				
A 188W			P1-H23 P3-F8					.15 NO .19 NO			7, 18 4	
A 189	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 189B	2		E16-B SHLD A189					.25 NO .25 NO				
A 189W			P1-H24 P3-G1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 50 OF 86

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 229	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2298	2		E18-B SHLD A229					.25 NO .25 NO				
A 229W			P1-C34 P3-N1					.15 NO .19 NO			7, 18 4	
A 230	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2308	2		E18-B SHLD A230					.25 NO .25 NO				
A 230W			P1-C35 P3-N2					.15 NO .19 NO			7, 18 4	
A 231	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2318	2		E18-B SHLD A231					.25 NO .25 NO				
A 231W			P1-D26 P3-N3					.15 NO .19 NO			7, 18 4	
A 232	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2328	2		E19-B SHLD A232					.25 NO .25 NO				
A 232W			P1-D27 P3-N4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 59 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 233	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2338	2		E19-B SHLD A233					.25 NO .25 NO				
A 233W			P1-D28 P3-N5					.15 NO .19 NO			7, 16 4	
A 234	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2348	2		E19-B SHLD A234					.25 NO .25 NO				
A 234W			P1-D29 P3-N6					.15 NO .19 NO			7, 18 4	
A 235	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2358	2		E19-B SHLD A235					.25 NO .25 NO				
A 235W			P1-D30 P3-N7					.15 NO .19 NO			7, 18 4	
A 236	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2368	2		E19-B SHLD A236					.25 NO .25 NO				
A 236W			P1-D31 P3-N8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 60 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2378	2		E19-B SHLD A237					.25 NO .25 NO				
A 237W			P1-D32 P3-P1					.15 NO .19 NO			7, 18 4	
A 238	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2388	2		E19-B SHLD A238					.25 NO .25 NO				
A 238W			P1-D33 P3-P2					.15 NO .19 NO			7, 18 4	
A 239	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2398	2		E19-B SHLD A239					.25 NO .25 NO				
A 239W			P1-D34 P3-P3					.15 NO .19 NO			7, 18 4	
A 240	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2408	2		E19-B SHLD A240					.25 NO .25 NO				
A 240W			P1-D35 P3-P4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 61 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 241	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2418	2		E19-B SHLD A241					.25 NO .25 NO				
A 241W			P1-F26 P3-P5					.15 NO .19 NO			7, 18 4	
A 242	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2428	2		E19-B SHLD A242					.25 NO .25 NO				
A 242W			P1-F27 P3-P6					.15 NO .19 NO			7, 18 4	
A 243	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2438	2		E19-B SHLD A243					.25 NO .25 NO				
A 243W			P1-F28 P3-P7					.15 NO .19 NO			7, 18 4	
A 244	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 2448	2		E20-B SHLD A244					.25 NO .25 NO				
A 244W			P1-F29 P3-P8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 62 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 311	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 311B	2		E25-B SHLD A311					.25 NO .25 NO				
A 311W			P1-G36 P4-B3					.15 NO .19 NO			7, 18 4	
A 312	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 312B	2		E25-B SHLD A312					.25 NO .25 NO				
A 312W			P1-G37 P4-B4					.15 NO .19 NO			7, 18 4	
A 313	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 313B	2		E25-B SHLD A313					.25 NO .25 NO				
A 313W			P1-G38 P4-B5					.15 NO .19 NO			7, 18 4	
A 314	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 314B	2		E25-B SHLD A314					.25 NO .25 NO				
A 314W			P1-G39 P4-B6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 79 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 315	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 315B	2		E25-B SHLD A315					.25 NO .25 NO				
A 315W			P1-G40 P4-B7					.15 NO .19 NO			7, 18 4	
A 316	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 316B	2		E25-B SHLD A316					.25 NO .25 NO				
A 316W			P1-G41 P4-B8					.15 NO .19 NO			7, 18 4	
A 317	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 317B	2		E25-B SHLD A317					.25 NO .25 NO				
A 317W			P1-H36 P4-C1					.15 NO .19 NO			7, 18 4	
A 318	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 318B	2		E26-B SHLD A318					.25 NO .25 NO				
A 318W			P1-H37 P4-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 80 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 319	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 319B	2		E26-B SHLD A319					.25 NO .25 NO				
A 319W			P1-H38 P4-C3					.15 NO .19 NO			7, 18 4	
A 320	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 320B	2		E26-B SHLD A320					.25 NO .25 NO				
A 320W			P1-H39 P4-C4					.15 NO .19 NO			7, 18 4	
A 321	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 321B	2		E26-B SHLD A321					.25 NO .25 NO				
A 321W			P1-H40 P4-C5					.15 NO .19 NO			7, 18 4	
A 322	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 322B	2		E26-B SHLD A322					.25 NO .25 NO				
A 322W			P1-H41 P4-C6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 81 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 323	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 323B	2		E26-B SHLD A323					.25 NO .25 NO				
A 323W			P1-K36 P4-C7					.15 NO .19 NO			7, 18 4	
A 324	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 324B	2		E26-B SHLD A324					.25 NO .25 NO				
A 324W			P1-K37 P4-C8					.15 NO .19 NO			7, 18 4	
A 325	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 325B	2		E26-B SHLD A325					.25 NO .25 NO				
A 325W			P1-K38 P4-D1					.15 NO .19 NO			7, 18 4	
A 326	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 326B	2		E26-B SHLD A326					.25 NO .25 NO				
A 326W			P1-K39 P4-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 82 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 745	34		J35-B	18				.25	YES		25	
			J8-DD	6				.22	NO			43
A 746	34		J35-D	18				.25	YES		25	
			J8-EE	6				.22	NO			43
A 747	34		J35-M	18				.25	YES			
			J8-FF	6				.22	NO			43
A 748	34		J35-N	18				.25	YES			
			J8-GG	6				.22	NO			43
A 749	34		J35-J	18				.25	YES		25	
			J8-HH	6				.22	NO			43
A 750	34		J35-L	18				.25	YES		25	
			J8-JJ	6				.22	NO			43
A 751	34		J35-U	18				.25	YES			
			J8-KK	6				.22	NO			43
A 752	34		J35-V	18				.25	YES			
			J8-LL	6				.22	NO			43
A 753	34		J35-K	18				.25	YES		25	
			J8-MM	6				.22	NO			43
A 754	34		J35-T	18				.25	YES		25	
			J8-NN	6				.22	NO			43
A 755	34		J35-X	18				.25	YES		25	
			J9-DD	5				.22	NO			43
A 756	34		J35-Z	18				.25	YES		25	
			J9-EE	5				.22	NO			43

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 71 OF ~~90~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 757	34		J36-B	20				.25	YES		25	
			J9-HH	5				.22	NO			43
A 758	34		J36-D	20				.25	YES		25	
			J9-JJ	5				.22	NO			43
A 759	34		J36-F	20				.25	YES		25	
			J9-MM	5				.22	NO			43
A 760	34		J36-J	20				.25	YES		25	
			J9-NN	5				.22	NO			43
A 761	34		J36-L	20				.25	YES		25	
			J4-L	3				.22	NO			43
A 762	34		J36-N	20				.25	YES		25	
			J4-M	3				.22	NO			43
A 763	34		J36-R	20				.25	YES		25	
			J4-R	3				.22	NO			43
A 764	34		J36-U	20				.25	YES		25	
			J4-S	3				.22	NO			43
A 765	34		J36-W	20				.25	YES		25	
			J4-V	3				.22	NO			43
A 766	34		J36-Y	20				.25	YES		25	
			J4-W	3				.22	NO			43
A 767	34		J37-B	19				.25	YES		25	
			J4-Z	3				.22	NO			43
A 768	34		J37-D	19				.25	YES		25	
			J4-A*	3				.22	NO			43

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 72 OF ~~90~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 769	34		J37-F	19				.25	YES		25	
			J4-D*	3				.22	NO			43
A 770	34		J37-J	19				.25	YES		25	
			J4-E*	3				.22	NO			43
A 771	34		J37-L	19				.25	YES		25	
			J4-H*	3				.22	NO			43
A 772	34		J37-N	19				.25	YES		25	
			J4-I*	3				.22	NO			43
A 773	34		J37-R	19				.25	YES		25	
			J4-M*	3				.22	NO			43
A 774	34		J37-T	19				.25	YES		25	
			J4-N*	3				.22	NO			43
A 775	34		J37-V	19				.25	YES		25	
			J3-R*	2				.22	NO			43
A 776	34		J37-W	19				.25	YES			
			J3-S*	2				.22	NO			43
A 777	34		J37-Y	19				.25	YES		25	
			J3-V*	2				.22	NO			43
A 778	34		J37-Z	19				.25	YES			
			J3-W*	2				.22	NO			43
A 779	34		J38-B	37				.25	YES		25	
			J3-Z*	2				.22	NO			43
A 780	34		J38-C	37				.25	YES			
			J3-AA	2				.22	NO			43

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 73 OF ~~90~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 781	34		J38-K	37				.25	YES			
			J7-FF	7				.22	NO			43
A 782	34		J38-L	37				.25	YES			
			J7-GG	7				.22	NO			43
A 783	34		J38-N	37				.25	YES		25	
			J7-KK	7				.22	NO			43
A 784	34		J38-P	37				.25	YES			
			J7-LL	7				.22	NO			43
A 785	34		J38-S	37				.25	YES		25	
			J3-BB	2				.22	NO			43
A 786	34		J38-T	37				.25	YES			
			J3-CC	2				.22	NO			43
A 787	34		J38-W	37				.25	YES		25	
			J3-FF	2				.22	NO			43
A 788	34		J38-X	37				.25	YES			
			J3-GG	2				.22	NO			
A 789	34		J38-Y	37				.25	YES			
			J3-KK	2				.22	NO			43
A 790	34		J38-Z	37				.25	YES			
			J3-LL	2				.22	NO			43
A 791	34		J39-B	38				.25	YES		25	
			J7-HH	7				.22	NO			43
A 792	34		J39-C	38				.25	YES			
			J7-JJ	7				.22	NO			43

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 74 OF ~~90~~ 90

MIL 2084 9-65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	REVISED PER MXC 208501	25 JAN 66	ALP
	B	REVISED PER MXC 209802	8 MAR 66	
(N)	C	INITIAL RELEASE CLASS A PER TDRR 28599	2 MAY 66	ALP ET
	D	REVISED PER TDRR 30079	18 JULY 66	J.E.G.

QUANTITY REQUIRED	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
1		10	2901090	CABLE ASSEMBLY W563
1		9	2901011-011	BREAKOUT BOX, ADAPTER CABLE
1		8	2900979	CABLE ASSEMBLY W525
1		7	2900978	CABLE ASSEMBLY W524
1		6	2901059	CABLE ASSEMBLY W553
1		5	2901058	CABLE ASSEMBLY W552
1		4	2900950	CABLE ASSEMBLY W502
1		3	2900949	CABLE ASSEMBLY W503
1		2	2900947	CABLE ASSEMBLY W501
1		1	2900948	CABLE ASSEMBLY W500
011			LIST OF PARTS AND MATERIALS	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	2901075	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± | 3 PLACE DECIMALS ± | ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN Janowiak 15 DEC 65 DATE
CHECKED Jaynes 15 DEC 65
APPROVAL C. Jedrinan 5/3/66
CONTRACT NAS9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

BREAKOUT BOX AND ADAPTER CABLE SET - BASIC

SIZE	CODE IDENT NO.	
C	99974	2901075

SCALE NONE | SHEET 1 of 1

MIL-1082C D

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	REVISED PER MXC 208501	25 JAN 66	RLP
	B	REVISED PER MXC 209802	8 MAR 66	MTY
(M)	C	INITIAL RELEASE CLASS A PER TDRR 28599	2 MAY 66	RLP
(M)	D	REVISED PER TDRR 30079	18 JULY 66	J.E.S.
	E	REVISED PER TDRR 35972	1 NOV 68	RWH

		QUANTITY REQUIRED		EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
		1	—		11	2901011-021	BREAKOUT BOX, ADAPTER CABLE
		1	1		10	2901090	CABLE ASSEMBLY W563
		—	1		9	2901011-011	BREAKOUT BOX, ADAPTER CABLE
		1	1		8	2900979	CABLE ASSEMBLY W525
		1	1		7	2900978	CABLE ASSEMBLY W524
		1	1		6	2901059	CABLE ASSEMBLY W553
		1	1		5	2901058	CABLE ASSEMBLY W552
		1	1		4	2900950	CABLE ASSEMBLY W502
		1	1		3	2900949	CABLE ASSEMBLY W503
		1	1		2	2900947	CABLE ASSEMBLY W501
		1	1		1	2900948	CABLE ASSEMBLY W500
		021	011				

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	2901075	-021
1900030	2901075	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± | 3 PLACE DECIMALS ± | ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN Jonowiak DATE 15 DEC 65
CHECKED Hayden 15 DEC 65
APPROVAL C Jelinan 5/3/66
CONTRACT NAS9-497

NASA APPROVAL
MIT APPROVAL MC Marley 5 P.M.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

BREAKOUT BOX AND ADAPTER CABLE SET - BASIC

SIZE	CODE IDENT NO.	
C	99974	2901075

SCALE NONE | SHEET 1 of 1

MIL-1082C D

4 | 3 | 2 | 1 | 2901075

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	REVISED PER MXC 208502	25 JAN 66	RLP BJK
	B	REVISED PER MXC 209700	7 MAR 66	MKY
	C	REVISED PER MXC 210283	17 MAR 66	RLP
	D	REVISED PER MXC 210433	31 MAR 66	DKD
(M)	E	INITIAL RELEASE CLASS A PER TDRR 28604	2 MAY 66	JHP EF
	F	REVISED PER TDRR 29377	14 JUN 66	

			QUANTITY REQUIRED	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			1		25	2901351	CABLE ASSEMBLY W586
			1		24	2901352	W587
			1		23	2901394	W579
			1		22	2901395	W580
			1		21	2901092	W574
			1		20	2901083	W576
			1		19	2901093	W575
			1		18	2901084	W577
			1		17	2901048	W564
			1		16	2901088	W578
			1		15	2901089	W566
			1		14	2901091	W567
			1		13	2901087	W565
			1		12	2901061	CABLE ASSEMBLY W555
			1		11	2901060	CABLE ASSEMBLY W554
			1		10	2900971	CABLE ASSEMBLY W519
			1		9	2900970	CABLE ASSEMBLY W518
			1		8	2900981	CABLE ASSEMBLY W527
			1		7	2900980	CABLE ASSEMBLY W526
			~~1~~		6	~~2900969~~	~~CABLE ASSEMBLY W517~~
			~~1~~		5	~~2900968~~	~~CABLE ASSEMBLY W516~~
			1		4	2900977	CABLE ASSEMBLY W523
			1		3	2900976	CABLE ASSEMBLY W522
			1		2	2900975	CABLE ASSEMBLY W521
			1		1	2900974	CABLE ASSEMBLY W520
			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

1900030	2901076	-011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± | 3 PLACE DECIMALS ± | ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN Janowiak 15 DEC 65 DATE
CHECKED Hayles 15 DEC 65
APPROVAL C. Jetkman 5/3/66
CONTRACT NAS9-497

NASA APPROVAL
MIT APPROVAL 5-10-66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

ADAPTER CABLE ASSEMBLY SET, ELECTRICAL—BLOCK II

SIZE	CODE IDENT NO.	
C	99974	2901076

SCALE NONE | SHEET 1 of 1

MIL-1083C D

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO	DATE	APPROVED
	A	REVISED PER DOC 809		5 MAY 66	RC
	B	REVISED PER LO. 61936		15 JUN 66	RC
	C	REVISION STATUS CHANGED		6 APRIL 66	
	D	INITIAL RELEASE CLAC A PER TORM 24669		2 AUG 66	

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU	4		2-20	4-4DC	
-28 VDC (TPA)	4	1.1	1-24	3-4DC	
-28 VDC (SMC)	2		2-68		
32 VDC PIP	2		1-59		
120 VDC PIP	2		2-59		
ERROR DETECT LIGHT (28 VDC)	4		1-67		
GIMBAL LOCK (28 VDC)	4		2-67		
GIMBAL LOCK LIGHT (MDV DISP 28 VDC)	6		1-68		
+20 VDC CONDITIONING	4		1-57		
+2.5 VDC CONDITIONING	4		2-57		
400 CPS 6V	6		2-65		
400 CPS 26V	6		2-62		
400 CPS 1.5V Ø$	6		1-63		
400 CPS 1.5V ØB	6		2-63		
400 CPS VAR ILL PWR (6V)	6		2-50		S7
800 CPS 28V 1% IMU	4		1-21	6-6AC	S1
800 CPS 28V 1% IMU (SCS REF)	4		2-21		
800 CPS 28V 5% IMU WHEEL ØA	4		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL ØB	4		2-22		
800 CPS 28V 5% ∠-90° IMU	4		1-19	6-8AC	
3200 CPS 2V (ISS ONLY)	1		1-60		
3200 CPS 2V FDBK	4		1-23	5-7AC	S5
3200 CPS 20V (SQ WAVE ØA)	4		2-56		S6
3200 CPS 20V (SQ WAVE ØB)	4		2-60		
25.6 KC IMU (2V)	4		2-23		S3
TEMP CONT AMPL OUT	4		2-19		
BLOWER CURRENT SENSOR (TELE)	4		2-54	5-4DC	
HEATER CURRENT (TELE)	4		1-55	6-4DC	
ACCEL TEMP (TELE)	4		2-55	3-3DC	
IRIG TEMP (TELE)	4		1-56	4-3DC	
X PIPA ERROR MONITOR	4		2-51	6-1AC	
Y PIPA ERROR MONITOR	4		1-52	5-1AC	
Z PIPA ERROR MONITOR	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	1			8-9	
X GYRO ERROR	4		2-33	2-1	
Z GYRO ERROR	4		2-34	3-1AC	
IMU IG AND Y GYRO ERROR	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IG TORQ MTR (CURRENT)	1		2-38	7-1	
IMU MG ERROR	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
MG TORQ MTR (CURRENT)	1		2-37	6-2DC	
IMU OG ERROR	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
OG TORQ MTR (CURRENT)	1		2-36	8-3	
IG CDU 16X ERROR (B/A)	4	1.01	2-29	1-5	
IG CDU 1X ERROR (S2)	4		2-32	3-4AC	
IG CDU 1/2X ERROR (S3)	1		1-32	2-3	
IG CDU DAC ERROR	4		2-46	6-2AC	
IG CDU MDA TACH	1		1-61		
IG CDU +DT UNCOND SQ WAVE	4			8-6	
IG CDU -DT UNCOND SQ WAVE	4			7-6	
IG CDU FAIL IND (SMC)	2		1-64		
MG CDU 16X ERROR (B/A)	4	1.01	2-28	2-5	
MG CDU 1X ERROR	4		2-31	1-4	
MG CDU 1/2X ERROR	1		1-31	3-3AC	
MG CDU DAC ERROR	4		2-45	5-2AC	
MG CDU MDA TACH	1		2-61		
MG CDU +DT UNCOND SQ WAVE	4			6-6DC	
MG CDU -DT UNCOND SQ WAVE	4			5-6DC	
MG CDU FAIL IND (SMC)	2		2-64		
OG CDU 16X ERROR (TLM)	2		2-35		
OG CDU 16X ERROR (B/A)	4	1.01	2-27	3-5AC	
OG CDU 1X ERROR	4		2-30	2-4	
OG CDU 1/2 X ERROR	1		1-30	1-3	
OG CDU DAC ERROR	4		2-44	4-2AC	
OG CDU MDA TACH	1		1-62		
OG CDU +DT UNCOND SQ WAVE	4			4-6DC	
OG CDU -DT UNCOND SQ WAVE	4			3-6DC	
OG CDU FAIL IND (SMC)	2		1-65		
SIN AIG 16X (TO CDU)	1		1-50	6-4AC	
COS AIG 16X	1		2-49		
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (TO CDU)	1		1-49	5-4AC	
COS AMG 16X	1		2-48		
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (TO CDU)	1		1-48	4-4AC	
COS AOG 16X	1		2-47		
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
CONTINUITY TEST MONITOR	4		2-91		
IMU PRESSURE MONITOR	4		1-18		
CTR IMU DELAY	4				S13

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

ISS PULSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU △Φ (CMS)	1		P4	4 & 18	
-IG CDU △Φ (CMS)	1		P4	19	4
+IG CDU SET (CMS)	1		P7	7	18
-IG CDU SET (CMS)	1		P7		7 & 19
+MG CDU △Φ (CMS)	1		P5	5 & 20	
-MG CDU △Φ (CMS)	1		P5	21	5
+MG CDU SET (CMS)	1		P6	6	20
-MG CDU SET (CMS)	1		P6		6 & 21
+OG CDU △Φ (CMS)	1		P6	6 & 22	
-OG CDU △Φ (CMS)	1		P6	23	6
+OG CDU SET (CMS)	1		P9	9	22
-OG CDU SET (CMS)	1		P9		9 & 23
+X IRIG SET (CMS)	1		P1	1	
-X IRIG SET (CMS)	1		P1		1
+Y IRIG SET (CMS)	1		P2	2	
-Y IRIG SET (CMS)	1		P2		2
+Z IRIG SET (CMS)	1		P3	3	
-Z IRIG SET (CMS)	1		P3		3
X PIPA +△V	1		P10	10	
X PIPA -△V	1		P10		10
Y PIPA +△V	1		P11	11	
Y PIPA -△V	1		P11		11
Z PIPA +△V	1		P12	12	
Z PIPA -△V	1		P12		12
PSA ADAPTER PULSE PROBES	7	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	7		P14		
+ AUXILIARY INPUT JACK	7	F/P	S15	15	
- AUXILIARY INPUT JACK	7	F/P	S15		15
B SCOPE INPUT CH1	7	J1-A			
B SCOPE INPUT CH1	7	J1-C			
A SCOPE INPUT	7	J1-E			
DELAY LINE IN	7	J1-K			
DELAY LINE OUT	7	J1-M			
IG ENC +△Φ	1	J2-G			
IG ENC -△Φ	1	J2-H			
MG ENC +△Φ	1	J2-J			
MG ENC -△Φ	1	J2-K			
OG ENC +△Φ	1	J2-L			
OG ENC -△Φ	1	J2-M			
+△VX	1	J3-G			
-△VX	1	J3-H			
+△VY	1	J3-J			
-△VY	1	J3-K			
+△VZ	1	J3-L			
-△VZ	1	J3-M			
CMS 800 PPS IN Φ SYNC	1	J4-B			
CMS 3200 PPS IN Φ SYNC	1	J4-D			

OPTICS SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
28 VDC OPTICS	5	2-00	4-9DC	
800 CPS 28V 1% (OPTICS)	5	1-01	6-13AC	S2
800 CPS 28V 5% ∠-90° OPTICS	5	2-01	5-13AC	
25.6 KC OPTICS	5	1-02		S4
+DT T.P. TRUN ENC	5		6-7DC	
-DT T.P. TRUN ENC	5		5-7DC	
+DT T.P. SHAFT ENC	5		8-7	
-DT T.P. SHAFT ENC	5		7-7	
CDU TRUN TACH FDBK (SMC)	5	1-04	3-11AC	
CDU TRUN TACH FDBK (TPA)	5	1-08	4-11AC	
CDU TRUN 16X RSVR ERROR (SMC)	5	2-08	1-11	
CDU TRUN 16X ERROR (TPA)	5	2-06	5-12AC	
SCT SHAFT TACH FDBK (SMC) (BUFF)	5	2-04	1-13	
SCT SHAFT TACH FEEDBACK (TPA)	5	1-07	2-11	
SCT SHAFT 1X ERROR (BUFF)	5	2-10	4-13AC	
SCT TRUN TACH FDBK (BUFF)(SMC)	5	1-05	5-11AC	
SCT TRUN 1X ERROR (SMC)	5	1-03	4-12AC	
SCT TRUN 1X RSVR ERROR (TPA)	5	1-09	3-12AC	
SCT TRUN MDA OUPT Ø2	5	2-02	6-5AC	
SHAFT CDU 16X ERROR (BUFF)	5	1-12	5-10AC	
SHAFT CDU 16X ERROR (TPA)	5	2-05	6-11AC	
SHAFT CDU TACH FDBK (BUFF)	5	1-10	3-13AC	
SXT SHAFT TACH FDBK (SMC)(BUFF)	5	2-12	6-10AC	
SXT SHAFT TACH FDBK (TPA)	5	2-07	1-12	
SXT SHAFT MDA INPUT (BUFF)	5	2-03	2-13	
SXT SHAFT MDA OUTPUT Ø2	5	1-14	1-8	
SXT TRUN TACH FDBK (BUFF)	5	2-09	2-12	
SXT TRUN MDA INPUT (SMC)	5	1-06	6-12AC	
SXT TRUN MDA OUTPUT Ø2	5	2-14	5-8AC	

OPTICS SIGNALS CONT.

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
PHOTOMETER PREAMP OUTPUT (BUFF)		5	2-86		
PHOTOMETER PREAMP OUTPUT (AC)		5	2-15		S12
PHOTOMETER PREAMP OUTPUT (DC)		5	2-18	4-1DC	
Y TRACKER OUTPUT (800 CPS)(TPA B/A)	1.01	5	1-13	3-8AC	
X TRACKER OUTPUT (800 CPS)(TPA B/A)	1.01	5	2-13	4-8AC	
TRACKER X DRIVE (BUFF)(SMC)		5	1-16		S10
TRACKER Y DRIVE (BUFF)(SMC)		5	2-16		S11
TRACKER PREAMP OUTPUT (BUFF)(SMC)		5	1-88		
MARK		3		8-5	
STAR SIMULATOR		5	1-25	7-5	
+X OPT CDU SET (CMS)		3			P-18
-X OPT CDU SET (CMS)		3			P-19
+Y OPT CDU SET (CMS)		3			P-20
-Y OPT CDU SET (CMS)		3			P-21

OPTICS PULSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	CTR D	CTR A	CTR B
TRUN CDU ENC +△Φ (TO CTR VIA CMS)	J3-A	3	P-16	16	
TRUN CDU ENC -△Φ (TO CTR VIA CMS)	J3-B	3	P-16		16
SHAFT CDU ENC +△Φ (TO CTR VIA CMS)	J3-C	3	P-17	17	
SHAFT CDU ENC -△Φ (TO CTR VIA CMS)	J3-D	3	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC AGC (OPR PWR)	2	1-93		
+13 VDC AGC	2	2-93		
+3 VDC AGC	2	1-94		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RZ	2		3-14DC	

GSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+3 VDC (CMPTR SIMULATOR)		6	2-78		
+13 VDC STBY (CMPTR SIMULATOR)		6	1-78		
+27 VDC DIA ON (RLP)		7	1-79	6-11DC	
+28 VDC GAM		7	1-71	8-11	
+28 VDC STBY BUSS A		4	1-72		
+28 VDC STBY BUSS B		4	2-72		
+28 VDC IMU BUSS A		4	1-73		
+28 VDC IMU BUSS B		4	2-73		
+28 VDC OPT BUSS A		5	1-74		
+28 VDC OPT BUSS B		5	2-74		
+28 VDC AGC BUSS A		4	1-75		
+28 VDC AGC BUSS B		4	2-75		
+30 VDC GSE PWR		7	1-70	4-11DC	
-30 VDC GSE PWR		7	2-70	3-11DC	
115V 60 CPS ØA DIA ON		7	2-79		
115V 60 CPS ØB DIA ON		7	1-80		
115V 60 CPS ØC DIA ON		7	2-80		
400 CPS 115V ØA (GSE)		7	2-77		
400 CPS 115V ØB (GSE)		7	1-85		
400 CPS 115V (A/B)		7	1-77		
800 CPS 0° ISS REF (BUFF)		4	2-81		
800 CPS 90° ISS REF (BUFF)		4	2-82		
800 CPS ØA OPT REF (BUFF)		5	1-84		
800 CPS 90° OPT REF (BUFF)		5	2-84		
800 CPS VAR PH REF (BUFF)		4	2-83		
3200 CPS 2V (FDBK)		4	1-81		
DIA 3200 CPS 4V PWR SUPPLY		4	1-87		
3200 CPS VAR PH ISS REF (BUFF)		4	1-83		
3200 CPS REF (BUFF)		4	1-82		
IRIG Ø SHIFTER OUPT (3200 CPS 0°)		4	2-85		
PIPA Ø SHIFTER OUPT (3200 CPS 45°)		4	1-86		
**SIGNAL GEN OUTPUT		7	1-76	5-1DC	
GSE FAIL IND TEST VOLTAGE		1	1-51	1-1	
FAIL IND G & N		4		7-4	
BCD 1 DIGIT 1 FR CTR (LSD)		7		4-7DC	
BUFFERED PROBE	F/P	7	1-99		
DIRECT PROBE	F/P	7	2-99		
IG TDA TEST OUTPUT		1	1-91		
MG TDA TEST OUTPUT		1	2-92		
OG TDA TEST OUTPUT		1	1-92		
TEST START LIGHT		7		7-9	
SIGNAL GEN OUTPUT (X4)		7	2-86		
CTR AUXILIARY INPUT	F/P	7			S15

**SET MONITOR TO PROPER FUNCTION (AC OR DC)

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV D

USE FOR "SERIES 100" ONLY

MASTER

2900028-021	2900029-021	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± 3 PLACE ± DECIMALS DECIMALS ANGLES + — + — + — — — — —	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.
2900028-031	2900029-031	DO NOT SCALE THIS DRAWING	DRAWN 6/14/66 DATE
NEXT ASSY	USED ON	MATERIAL	CHECK 6/14/66
APPLICATION		NASA APPROVAL	APPROVAL 6/14/66
			CONTRACT NAS 9-497

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 5 OF 6

2901077 SHT 5

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D061809		7 JUNE 66	EC
	B	REVISED PER D0-61936		15 SEPT 66	EC
	C	REVISION STATUS CHANGED		3 MARCH 66	
	D	INITIAL RELEASE CLASS A PER TDRR 28669		2 JAN 66	EC
(F)	E	REVISED PER TDRR 29898		30 JUL 66	PHG
	F	REVISED PER TDRR 30206		15 NOV 66	

TEST POINT ADAPTER NO.1 SIGNALS

PIPA & IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
X PIPA PVR	4	1
X PIPA TORQUE CURRENT MONITOR	4	2
X PIPA SCALE FACTOR	4	3
Y PIPA PVR	4	4
Y PIPA TORQUE CURRENT MONITOR	4	5
Y PIPA SCALE FACTOR	4	6
Z PIPA PVR	4	7
Z PIPA TORQUE CURRENT MONITOR	4	8
Z PIPA SCALE FACTOR	4	9

PROBED SIGNALS	MULT BY	SIG AVAIL	HI	LO(BLK)
X PIP G/S OUTPUT	1.01	4	TB1-17(RED)	TB1-18
Y PIP G/S OUTPUT	1.01	4	TB1-15(RED)	TB1-16
Z PIP G/S OUTPUT	1.01	4	TB1-13(RED)	TB1-14
X PIP PX	8	4	TB1-19(BLU)	TB1-18
X PIP NX	8	4	TB1-22(BLU)	TB1-18
Y PIP PY	8	4	TB1-20(BLU)	TB1-16
Y PIP NY	8	4	TB1-23(BLU)	TB1-16
Z PIP PZ	8	4	TB1-21(BLU)	TB1-14
Z PIP NZ	8	4	TB1-24(BLU)	TB1-14

PROBE ROUTING (TPA NO. 1)	
1. BUFFERED PROBE	J7 HI(RED) TO XBAR 1-98 & AIP(J4-M) J8 LO(BLK)
2. DIRECT PROBE	J5 HI(GRN) TO XBAR 2-98 & AIP(J4-L) J6 LO(BLK)
3. PULSE PROBE	J3 HI(COAX) TO AIP(J4-E) J4 LO(BLK)

TEST POINT ADAPTER NO.2 SIGNALS

SWITCHES

IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
IRIG PVR	4	1
IRIG CURRENT MONITOR	4	2
IRIG SCALE FACTOR	4	3

GSE BUFFER INPUT SWITCH (OPT/ISS SWITCH)

POSITION	SIGNAL ROUTING
ISS	(1) MG CDU FINE ERROR TO TPA AMP, TO XBAR 2-28 & RSS 2-5AC
	(2) OG CDU FINE ERROR TO TPA AMP, TO XBAR 2-27 & RSS 3-5AC
OPT	(1) TRACKER X OUTPUT (TRUN) TO TPA AMP, TO XBAR 2-13 & RSS 4-8AC
	(2) TRACKER Y OUTPUT (SHAFT) TO TPA AMP, TO XBAR 1-13 & RSS 3-8AC

SERVO TEST SWITCH

MOMENTARY ON POSITION--ROUTES 5VDC TO TB5-10(GRN) AND 10VDC TO TB5-27(GRN)

TACH FEED BACK MULTIPLIER SELECT SWITCHES (SIG AVAIL CODE 5)

SIGNAL	MULT.	RSS	XBAR
SXT SH TACH FDBK (B/A)	.1 OR 1.0	1-12	2-07
SXT TR TACH FDBK (B/A)	.1 OR 1.0	2-12	2-09
SCT TR TACH FDBK (B/A)	.1 OR 1.0	5-11AC	1-05

PROBE ROUTING (TPA NO. 2)	
1. BUFFERED PROBE	J7 HI (RED) TO XBAR 1-99 & J8 LO(BLK) AIP BUFFERED PROBE OUT
2. DIRECT PROBE	J9 HI(GRN) TO XBAR 2-99 & J10 LO(BLK) AIP DIRECT PROBE OUT
3. PULSE PROBE	J5 HI(COAX) TO AIP (J4-F), D PULSE J6 LO(BLK) SW POS 13, & A-B SW (POS 13) DECK A

TEST POINT ADAPTER NO. 2 SIGNALS

PROBED SIGNALS	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	7	TB2-43(GRN)	TB2-18	1
4 VDC COMPTR TP	2	TB2-27(GRN)	TB2-25	1
14 VDC COMPTR TP	2	TB2-26(GRN)	TB2-25	1
+20 VDC	4	TB2-45(GRN)	TB2-49	1
-20 VDC	4	TB2-46(GRN)	TB2-49	1
27 VDC RLP (AT OIA ON)	7	TB2-37(GRN)	TB2-40	1
28 VDC G&N (AT OIA ON)	7	TB2-36(GRN)	TB5-22	1
+28 VDC IMU OPERATE	4	TB1-22(GRN)	TB5-39	2.8
+28 VDC IMU STANDBY	4	TB5-26(GRN)	TB5-30	1
+28 VDC COMPTR TP	2	TB2-28(GRN)	TB2-25	1
+28 VDC OPTICS	5	TB5-45(GRN)	TB5-49	1
-28 VDC TP	4	TB5-19(GRN)	TB5-22	1
+30 VDC GSE	7	TB2-38(GRN)	TB2-42	1
-30 VDC GSE	7	TB2-39(GRN)	TB2-42	1
+120 VDC PIPA (BUFFERED)	4	TB2-14(GRN)	TB2-17	2.91
TVC PITCH (SHAFT)	5	TB4-29(GRN)	TB4-33	1
TVC YAW (TRUN)	5	TB4-28(GRN)	TB4-32	1
28 V 1% 800 CPS IMU MON	4	TB5-24(RED)	TB5-9	10.2
28 V 5% 800 CPS IMU ΣA MON	4	TB5-37(RED)	TB5-33	10.2
28 V 5% 800 CPS IMU ΣB MON	4	TB5-29(RED)	TB5-33	10.2
800 CPS 28V 1% OPT. MON	5	TB5-44(RED)	TB5-48	10.2
800 CPS 28V 5% OPT. MON	5	TB5-35(RED)	TB5-48	10.2
3200 CPS 28V 1%	4	TB5-20(RED)	TB5-23	10.2
3.2 KPPS	2	TB1-6 (BLU)	TB1-9	2
IG COARSE ERROR TP (CDU)	4	TB2-47(RED)	TB2-18	1.01
MG COARSE ERROR TP (CDU)	4	TB2-41(RED)	TB2-18	1.01
OG COARSE ERROR TP (CDU)	4	TB2-35(RED)	TB2-18	1.01
IG FINE ERROR	4	TB3-37(RED)	TB3-34	1.01
MG FINE ERROR	4	TB3-38(RED)	TB3-34	1.01
OG FINE ERROR	4	TB3-41(RED)	TB3-34	1.01
IG TM CURRENT MON	4	TB2-31(GRN)	TB1-49	1
MG TM CURRENT MON	4	TB2-32(GRN)	TB1-49	1
OG TM CURRENT MON	4	TB1-45(GRN)	TB1-49	1
IG SERVO AMP INPUT TP	4	TB5-32(GRN)	TB5-40	1
MG SERVO AMP INPUT TP	4	TB5-41(GRN)	TB5-40	1
OG SERVO AMP INPUT TP	4	TB5-31(GRN)	TB5-40	1
IG SERVO AMP TEST INPUT	4	TB2-11(RED)	TB2-7	1
MG SERVO AMP TEST INPUT	4	TB2-10(RED)	TB2-7	1
OG SERVO AMP TEST INPUT	4	TB2-4 (RED)	TB2-7	1
IG DC D/A CDU OUTPUT	4	TB4-36(GRN)	TB4-40	1
MG DC D/A CDU OUTPUT	4	TB4-35(GRN)	TB4-39	1
OG DC D/A CDU OUTPUT	4	TB4-34(GRN)	TB4-38	1
IG PITCH CDU ATT ERR (LOADED)	4	TB4-45(RED)	TB4-49	1.01
MG YAW CDU ATT ERR (LOADED)	4	TB4-44(RED)	TB4-48	1.01
OG ROLL CDU ATT ERR (LOADED)	4	TB4-43(RED)	TB4-47	1.01
X PIPA G/S OUTPUT	4	TB2-19(RED)	TB2-22	1.01
Y PIPA G/S OUTPUT	4	TB2-20(RED)	TB2-23	1.01
Z PIPA G/S OUTPUT	4	TB2-21(RED)	TB2-24	1.01
SCT SHAFT MDA PREAMP MON	5	TB3-21(RED)	TB3-28	1.01
SCT SHAFT MDA TACH MON	5	TB3-32(RED)	TB3-28	1.01
SCT SHAFT MDA O/P MON #1	5	TB3-25(RED)	TB3-28	1.01
SCT TRUN MDA PREAMP MON	5	TB3-20(RED)	TB3-35	1.01
SCT TRUN MDA TACH MON	5	TB3-39(RED)	TB3-35	1.01
SCT TRUN MDA O/P MON #1	5	TB3-24(RED)	TB3-35	1.01
SXT SHAFT MDA PREAMP MON	5	TB3-31(RED)	TB3-46	1.01
SXT SHAFT MDA TACH MON	5	TB3-42(RED)	TB3-46	1.01
SXT SHAFT MDA O/P MON #1	5	TB3-27(RED)	TB3-46	1.01
SXT TRUN MDA PREAMP MON	5	TB3-29(RED)	TB3-40	1.01
SXT TRUN MDA TACH MON	5	TB3-36(RED)	TB3-40	1.01
SXT TRUN MDA O/P MON #1	5	TB3-26(RED)	TB3-40	1.01
TRUN FINE ERROR	5	TB3-30(RED)	TB3-34	1.01
SHAFT FINE ERROR	5	TB3-33(RED)	TB3-34	1.01
TRACKER X OUTPUT (TRUN)	5	TB3-43(RED)	TB3-47	1.01
TRACKER Y OUTPUT (SHAFT)	5	TB3-44(RED)	TB3-48	1.01
BLOWER SIGNAL (TELE)	4	TB4-20(RED)	TB5-33	1
CONTROL HEATER SIGNAL (TELE)	4	TB4-21(GRN)	TB5-22	1
CGC TEMP MON	2	TB5-14(GRN)	TB5-15	1
IRIG TEMP (FROM SIG. COND)	2	TB5-16(GRN)	TB5-17	1
PIPA CAL MOD TEMP	4	TB1-31(GRN)	TB1-27	1
PSA TEMP	7	TB5-12(GRN)	TB5-13	1
IG AC D/A ERROR	1	TB1-24(RED)	TB1-20	1.01
MG AC D/A ERROR	1	TB1-21(RED)	TB1-25	1.01
OG AC D/A ERROR	1	TB1-19(RED)	TB1-23	1.01
CDU TRUN FINE ERROR (B/A OUT)	5	TB3-22(RED)	TB3-34	1.01
CDU SHAFT FINE ERROR (B/A OUT)	5	TB3-23(RED)	TB3-34	1.01
SERVO TEST 5 VDC	4	TB5-18(GRN)	TB2-7	1
SERVO TEST 10 VDC	4	TB5-27(GRN)	TB2-7	1
SERVO TEST 5VDC (MONITOR)	4	TB5-10 (GRN)	TB2-7	1
SERVO TEST 10VDC (MONITOR)	4	TB5-11 (GRN)	TB2-7	1
PSAAM PWR NO.1	4	TB1-26 (GRN)	TB5-30	1
PSAAM PWR NO.2	4	TB1-30 (BLK)	TB5-30	1
PSAAM PWR NO.3	4	TB2-48 (BLK)	TB5-30	1

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
INTERFACE LOAD TEST	
MASTER ALARM ANNUNCIATOR	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
SCS LOAD TEST	5
DSKY INTERFACE TEST	6
ACE BIAS NO.1	7
ACE BIAS NO.2	8
NOT USED	9-11
FAILURE IND TEST	
IG CDU LIMIT CYCLE FAIL COMMD	1
MG CDU LIMIT CYCLE FAIL COMMD	2
OG CDU LIMIT CYCLE FAIL COMMD	3
IG 16X CDU FAIL COMMD	4
MG 16X CDU FAIL COMMD	5
OG 16X CDU FAIL COMMD	6
RR/OPTICS 16X SHAFT CDU FAIL COMMD	7
RR/OPTICS 16X TRUN CDU FAIL COMMD	8
RR/OPTICS SHAFT CDU LIMIT CYCLE FAIL COMMD	9
RR/OPTICS TRUN CDU LIMIT CYCLE FAIL COMMD	10
+14 VDC ISS FAIL COMMD	11
+14 VDC RR/OPTICS FAIL COMMD	12
NOT USED	13-23
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
G&N POWER HIGH	4
G&N POWER LOW	5
6D CPS A PHASE FAIL	6
6D CPS B PHASE FAIL	7
6D CPS C PHASE FAIL	8
NOT USED	9-11
CONTINUITY TEST	
NOT USED	1
SPACECRAFT LAMP TEST	2
PITCH UP	3
PITCH DOWN	4
YAW RIGHT	5
YAW LEFT	6
ROLL RIGHT	7
ROLL LEFT	8
UP TELEMETRY	9
MASTER ALARM RESET	10
NOT USED	11

SIGNAL CONDITIONER MONITOR TELEMETRY SIGNALS

LEVEL 1	POS
+28 VDC CGC OPERATE	1
+28 VDC IMU STANDBY	2
+120 VDC PIPA SUPPLY LEVEL	3
+2.5 VDC TM BIAS	4
Z PIPA SG OUTPUT QUAD	5
3200 CPS 28V SUPPLY	6
Y PIPA SG OUTPUT QUAD	7
X PIPA SG OUTPUT QUAD	8
X PIPA +28VDC PVR INPUT	9
Y PIPA +28VDC PVR INPUT	10
Z PIPA +28VDC PVR INPUT	11
NOT USED	12
800 CPS 28V 1% IMU	13
YAW ATT ERR-CDU DAC OUT	14
PITCH ATT ERR-CDU DAC OUT	15
ROLL ATT ERR-CDU DAC OUT	16
Z PIPA SG OUTPUT IN PHASE	17
Y PIPA SG OUTPUT IN PHASE	18
X PIPA SG OUTPUT IN PHASE	19
IG 1X RSVR OUTPUT COS	20
MG 1X RSVR OUTPUT COS	21
OG 1X RSVR OUTPUT COS	22
IG 1X RSVR OUTPUT SIN	23
MG 1X RSVR OUTPUT SIN	24
OG 1X RSVR OUTPUT SIN	25
TRUN CDU DAC OUTPUT	26
SHAFT CDU DAC OUTPUT	27
800 CPS 28V 1% OPTICS (FQ)	28
SXT SHAFT TACH OUTPUT (FQ)	29
SXT TRUN TACH OUTPUT (FQ)	30
NOT USED	31
IG TM CURRENT	32
MG TM CURRENT	33
OG TM CURRENT	34
NOT USED	35
NOT USED	36
IGA SERVO ERROR IN PHASE	37
MGA SERVO ERROR IN PHASE	38
OGA SERVO ERROR IN PHASE	39
NOT USED	40
NOT USED	41
NOT USED	42
NOT USED	43
NOT USED	44
NOT USED	45
SHAFT CDU FINE ERROR (FQ)	46
TRUN CDU FINE ERROR (FQ)	47
SCT SHAFT TACH OUTPUT (FQ)	48
SCT TRUN TACH OUTPUT (FQ)	49
IMU HEATER CURRENT (FQ)	50
IMU BLOWER CURRENT (FQ)	51
NOT USED	52
LEVEL 2	
PIPA TEMPERATURE	1
IRIG TEMPERATURE	2
+28 VDC OPTICS OPERATE	3
+28 VDC CGC WARNING	4
NOT USED	5
NOT USED	6
NOT USED	7

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

WHERE APPLICABLE THE MEASURMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

TPA NO.1 IS THE PTA/PEA-TPA ; TPA NO.2 PSA-TPA

2901077 REV F

USE FOR BLOCK II ONLY

2900023-021	2900023-011
2900023-011	2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± 3 PLACE DECIMALS ± DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN R.P. Bailey 6 MAY 66

CHECKED [illegible] 17 MAY 66

APPROVAL [illegible]

CONTRACT NAS 9-497

NASA APPROVAL A.C. METERS

INT APPROVAL [illegible] 5 JUL 66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 2 OF 6

2901077 F
2901077 B
2901077

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG NO	DATE	APPROVED
	A	REVISED PER D061809		29 MAR 66	RD
	B	REVISION STATUS CHANGED	D.O. 61936	5 APR 66	RD
	C	REVISION STATUS CHANGED		8 APRIL 66	
	D	INITIAL RELEASE CLASS A PER TDRR 26869		6 MAY 66	
	E	REVISED PER TDRR 29898		6 JUNE 66	
	F	REVISED PER TDRR30206		12 JULY 66	
	G	REVISION STATUS CHANGED		17 AUG 66	

PSA TEST ADPT SIGNALS

SIGNAL	PROBE HI	PROBE LO	MULT BY
TRAY 1			
COMP 3200 PPS IN ∅ SYNC (SET)	17	26	1
COMP 3200 PPS OUT OF ∅ SYNC (RESET)	18	26	1
3200 CPS DRIVE MONITOR	11	26	10.2
2V 1% 3200 CPS MONITOR	34	26	10.2
3200 CPS 20V (A)	3	4	1
3200 CPS 20V (B)	12	4	1
IG ERROR SIG MONITOR	7	14	10.2
MG ERROR SIG MONITOR	6	14	10.2
OG ERROR SIG MONITOR	13	14	10.2
IG CDU 1X RSVR ERROR	20	21	4
MG CDU 1X RSVR ERROR	27	28	4
OG CDU 1X RSVR ERROR	35	36	4
IG TDA OUPT	2	1	1
MG TDA OUPT	9	1	1
OG TDA OUPT	10	1	1
IG SVO AMP INPUT (TEST)	23	1	1
MG SVO AMP INPUT (TEST)	24	1	1
OG SVO AMP INPUT (TEST)	31	1	1
-28V DC	33	32	1.1
TRAY 2			
120 VDC MONITOR (IRIG)	13	1	3.0
12 VDC MONITOR (IRIG)	14	1	1
COMP 800 PPS IN ∅ SYNC (SET)	2	1	1
COMP 800 PPS OUT OF ∅ SYNC (RESET)	11	1	1
800 CPS MOTOR DRIVE	9	1	2
800 CPS 1% MONITOR	10	1	10.2
800 CPS 5% ∠-90° MONITOR	17	1	10.2
800 CPS 26V IMU WHEELS ∅A 5%	18	1	10.2
32 VDC (IRIG)	15	1	1
COMP 25.6 KPPS IN ∅ SYNC (SET)	3	35	1
COMP 25.6 KPPS OUT OF ∅ SYNC (RESET)	12	35	1
25.6 KC IMU MONITOR (2V)	36	35	1
25.6 KC OPT MONITOR (2V)	28	27	1
TRAY 3			
X PIPA P PULSES	23	1	10
X PIPA N PULSES	31	1	10
Y PIPA P PULSES	24	1	10
Y PIPA N PULSES	32	1	10
X PIPA AC AMP OUPT	2	1	1
Y PIPA AC AMP OUPT	3	1	1
TRAY 4			
Z PIPA P PULSES	23	1	10
Z PIPA N PULSES	31	1	10
Z PIPA AC AMP OUPT	2	1	1
TRAY 5			
X GYRO ERROR	9	1	10.2
Z GYRO ERROR	17	1	10.2
IG CDU DAC ERROR	20	21	1
MG CDU DAC ERROR	27	28	1
OG CDU DAC ERROR	35	36	1
IG +DT UNCOND SQUARE WAVE	23	1	1
IG -DT UNCOND SQUARE WAVE	31	1	1
MG +DT UNCOND SQUARE WAVE	24	1	1
MG -DT UNCOND SQUARE WAVE	32	1	1
OG +DT UNCOND SQUARE WAVE	25	1	1
OG -DT UNCOND SQUARE WAVE	33	1	1
+DVX	2	1	1
-DVX	10	1	1
+DVY	3	1	1
-DVY	11	1	1
+DVZ	4	1	1
-DVZ	12	1	1

PSA TEST ADPT SIGNALS

SIGNAL	PROBE HI	PROBE LO	MULT BY
TRAY 6			
OPT 800 CPS DRIVE	2	1	2
OPT 800 CPS 1%	9	1	10.2
OPT 800 CPS 5% ∠-90°	10	1	10.2
IG CDU FAIL IND	26	34	1
MG CDU FAIL IND	25	34	1
OG CDU FAIL IND	33	34	1
IG CDU 16X ERROR	20	21	1.01
MG CDU 16X ERROR	27	28	1.01
OG CDU 16X ERROR	35	36	1.01
TRAY 7			
TEMP CONT BRDG EXCIT TP	18	17	1
HTR CURRENT (TELE)	23	34	1
BLO CURRENT SENSOR (TELE)	24	34	1
ACCEL TEMP IND BRDG	25	26	1
TEMP CONT AMP OUPT	31	17	1
IRIG TEMP IND BRDG	33	32	1
IRIG TEMP (TELE)	19	34	1
ACCEL TEMP (TELE)	11	34	1
ROLL ERROR BODY OFFSET AXIS	27	28	1
YAW ERROR BODY OFFSET AXIS	35	36	1
ROLL ERROR BODY AXIS	14	15	1
PITCH ERROR BODY & BODY OFFSET AXIS	20	21	1
YAW ERROR BODY AXIS	7	8	1
+120V DC PIPA SUPP MONITOR	2	1	3.04
+32V DC MONITOR (PIPA)	10	1	1
+DT TP SHAFT ENCODER	3	12	1
-DT TP SHAFT ENCODER	4	12	1
+DT TP TRUN ENCODER	5	13	1
-DT TP TRUN ENCODER	6	13	1
TRAY 8			
SXT SHAFT MDA OUTPUT ∅2	27	28	1
SCT SHAFT MDA OUTPUT ∅2	35	36	1
TRACKER PREAMP OUTPUT	8	15	1
SXT TRUN MDA INPUT	2	1	1
SXT SHAFT 1X ERROR	3	12	1
SXT SHAFT MDA INPUT	9	23	1
SXT TRUN TACH FEEDBACK	10	11	1
SXT TRUN MDA OUTPUT ∅2	20	21	1
TRACKER X DRIVE T.P.	6	13	1
TRACKER Y DRIVE T.P.	7	14	1
SXT SHAFT TACH FEEDBACK	17	24	1
SCT SHAFT TACH FEEDBACK	18	19	1
TRAY 9			
SCT TRUN MDA OUTPUT ∅2	13	14	1
SHAFT CDU MDA OUTPUT ∅2	27	28	1
TRUN CDU 16X ERROR	17	24	1
SHAFT CDU 16X ERROR	18	19	1
SHAFT CDU TACH FEEDBACK	2	1	1
SCT TRUN TACH FEEDBACK	3	12	1
TRUN CDU MDA OUTPUT ∅2	20	21	1
SCT TRUN 1X ERROR	9	23	1
CDU TRUN TACH FEEDBACK	10	11	1
X TRACKER OUTPUT	5	6	1
Y TRACKER OUTPUT	7	8	1
SCS ERROR-PITCH	37	38	1.02
SCS ERROR-YAW NORM/ENTRY	34	38	1.02
SCS ERROR-ROLL NORM/ENTRY	35	38	1.02
TRAY 10			
IMU 800 CPS 28V (BLOWERS) 5%/-90°	34	26	10.2
+28V DC OPTICS (OPERATE)	32	31	1
AGC OPR +28V DC	2	1	1
+13V DC AGC	11	1	1
+3V DC AGC	10	1	1
PRESS TRANSDUCER 28 VDC	7	8	1
IMU PRESS. MONITOR	35	36	1
COND +20 VDC	6	5	1
COND +2.5V DC	13	14	1
+28 VDC IMU (STBY)	24	23	1
+28 VDC IMU (OPR)	17	23	1
PHOTOMETER PREAMP OUTPUT	20	21	1
+28 VDC IMU OPR BUSS A MONITOR	18	23	1
+28 VDC IMU OPR BUSS B MONITOR	19	23	1

PULSE TORQUE ELECTRONICS

SIGNAL	SW POS.
X PIPA PVR	1
X PIPA TOR CUR. MON	2
X PIPA SCALE FACTOR	3
Y PIPA PVR	4
Y PIPA TOR CUR. MON	5
Y PIPA SCALE FACTOR	6
Z PIPA PVR	7
Z PIPA TOR CUR. MON	8
Z PIPA SCALE FACTOR	9
X GYRO PVR	10
X GYRO TOR CUR. MON	11
X GYRO SCALE FACTOR	12
Y GYRO PVR	13
Y GYRO TOR CUR. MON	14
Y GYRO SCALE FACTOR	15
Z GYRO PVR	16
Z GYRO TOR CUR. MON	17
Z GYRO SCALE FACTOR	18

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
IRIG TEST	
ADSRAX X IRIG TO MG	1
ADIAX X IRIG TO OG	2
SFTGX X IRIG TO OG	3
ADSRAZ Z IRIG TO MG	4
ADIAZ Z IRIG REVERSED TO MG	5
ADIAZ Z IRIG TO MG	6
SFTGZ Z IRIG TO MG	7
Y IRIG	8
INTERFACE LOAD TEST	
NOT USED	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
NOT USED	5-11
FAILURE IND TEST	
800 CPS WH PWR	1
3.2 KC DUCOSYN PWR	2
800 CPS CDU PWR	3
25.6 KC ENCODER PWR	4
IG SERVO ERROR	5
MG SERVO ERROR	6
OG SERVO ERROR	7
IG SERVO ERROR FAIL TEST	8
MG SERVO ERROR FAIL TEST	9
OG SERVO ERROR FAIL TEST	10
X PIPA ERROR	11
Y PIPA ERROR	12
Z PIPA ERROR	13
X PIPA ERROR FAIL TEST	14
Y PIPA ERROR FAIL TEST	15
Z PIPA ERROR FAIL TEST	16
AGC FAIL TEST	17
AGC SPARE FAIL TEST	18
AGC PWR SUPPLY FAIL TEST	19
NOT USED	20-23

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
G&N POWER HIGH	4
G&N POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11
CONTINUITY TEST	
ATTITUDE DISABLE SIG	1
SPACECRAFT LAMP TEST	2
PITCH UP	3
PITCH DOWN	4
YAW RIGHT	5
YAW LEFT	6
ROLL RIGHT	7
ROLL LEFT	8
NOT USED	9-11

SIMULATED JUNCTION BOX TEST POINTS

SIGNAL	TEST JACK
CDU FAIL HI } 102.4 KC	J41
CDU FAIL LO	J42
IMU FAIL HI } 102.4 KC	J43
IMU FAIL LO	J44
ACCEL FAIL HI } 102.4 KC	J45
ACCEL FAIL LO	J46
STAR PRESENCE HI } 102.4 KC	J47
STAR PRESENCE LO	J48

(READ VIA PULSE PROBE ON TPA)

PIPA FAIL TEST SWITCHES	
$X_B Y_B Z_B$ PIPA NORMAL/TEST	
POSITION	FUNCTION
NORMAL	PIPA ERROR SIGNALS ROUTED TO XBARS & MSI, AND BACK TO AIRBORNE.
TEST	PIPA ERROR SIGNALS SWITCHED IN SJB DIRECTLY TO AIRBORNE FAIL CIRCUIT (GSE MON BYPASSED).

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A & B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS ∅B	1
800 CPS VAR ∅	2
3200 CPS ∅B	3
3200 CPS VAR ∅	4
800 CPS OPT ∅B	5
AUX INPUT (A SCOPE)	9 & AIP F/P

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV F

USE FOR "SERIES 100" ONLY

2900023-021 / 2900023-011	2900023-021 / 2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN R. Davis 6 JAN 66 DATE

CHECKED 12 MAY 66

APPROVAL

CONTRACT NAS 9-497

NASA APPROVAL

MIT APPROVAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

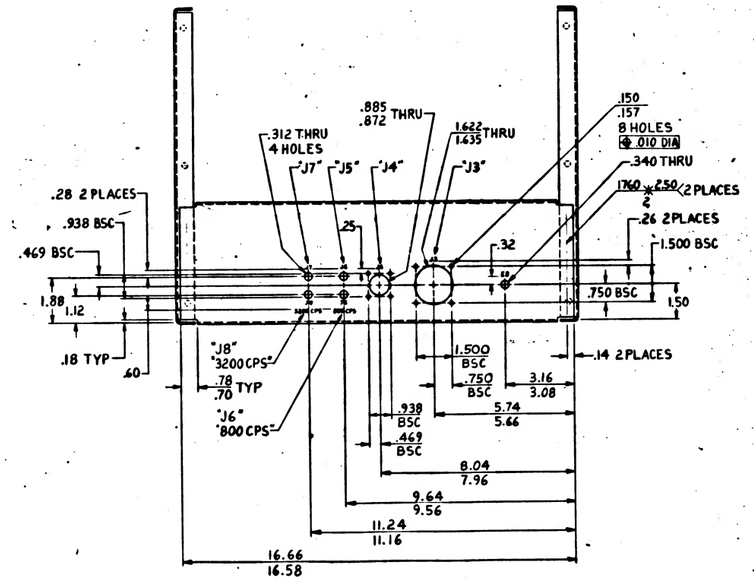
GSE SIGNAL SELECTION LIST

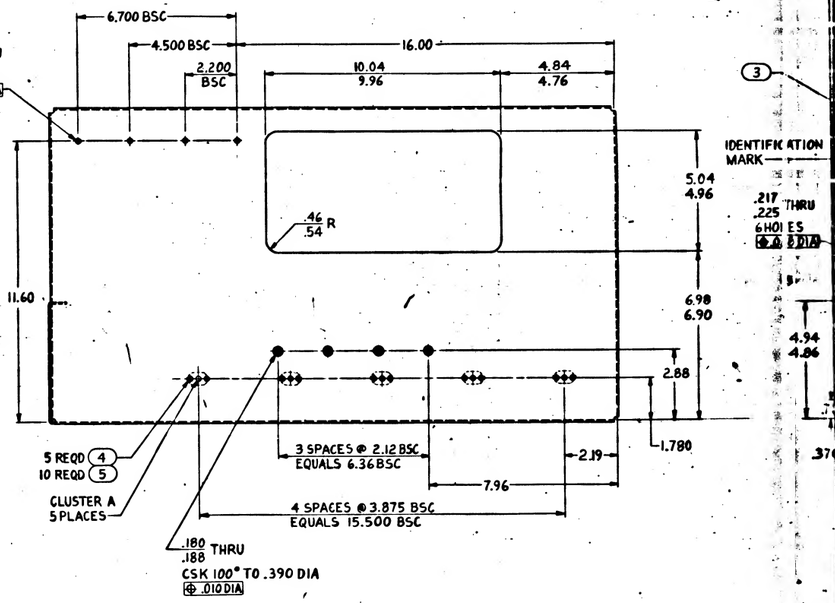
SIZE E | CODE IDENT NO 99974 | 2901077

SCALE — | SHEET 6 OF 6

NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-S-698, 1008 CRCQ, #2 LUSTER
3. FINISH: QQ-P-416A, TYPE I, CLASS I
4. ALL INSIDE BEND RADII .06.
5. MUST BE FREE FROM BURRS AND SHARP EDGES.
6. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
8. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
9. UNLESS OTHERWISE SPECIFIED:
   A. MARK CHARACTERS PER ND1002019, .12 HIGH. CENTRALIZE AS SHOWN BOTH SIDES.





2901096 LTR E SH 1 OF 1

1/2901096

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	1B	2	E1-B SHLD A1					.25 .25	NO NO			
A	1W		P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	2B	2	E1-B SHLD A2					.25 .25	NO NO			
A	2W		P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	3B	2	E1-B SHLD A3					.25 .25	NO NO			
A	3W		P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2	E1-B SHLD A4					.25 .25	NO NO			
A	4W		P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088
SCALE-NONE	REV LTR C	SHEET 6 OF 29

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2	E1-B SHLD A5					.25 .25	NO NO			
A	5W		P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2	E1-B SHLD A6					.25 .25	NO NO			
A	6W		P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2	E1-B SHLD A7					.25 .25	NO NO			
A	7W		P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2	E1-B SHLD A8					.25 .25	NO NO			
A	8W		P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088
SCALE-NONE	REV LTR C	SHEET 7 OF 29

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2	E1-B SHLD A9					.25 .25	NO NO			
A	9W		P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2	E1-B SHLD A10					.25 .25	NO NO			
A	10W		P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2	E2-B SHLD A11					.25 .25	NO NO			
A	11W		P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2	E2-B SHLD A12					.25 .25	NO NO			
A	12W		P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088
SCALE-NONE	REV LTR C	SHEET 8 OF 29

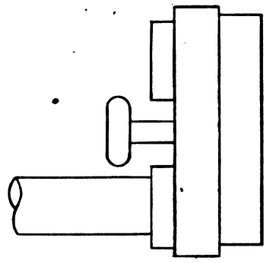
MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2	E2-B SHLD A13					.25 .25	NO NO			
A	13W		P1-13 P2-C1					.15 .19	NO NO		7 4	
A	14	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2	E2-B SHLD A14					.25 .25	NO NO			
A	14W		P1-14 P2-C2					.15 .19	NO NO		7 4	
A	15	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2	E2-B SHLD A15					.25 .25	NO NO			
A	15W		P1-15 P2-C3					.15 .19	NO NO		7 4	
A	16	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2	E2-B SHLD A16					.25 .25	NO NO			
A	16W		P1-16 P2-C4					.15 .19	NO NO		7 4	

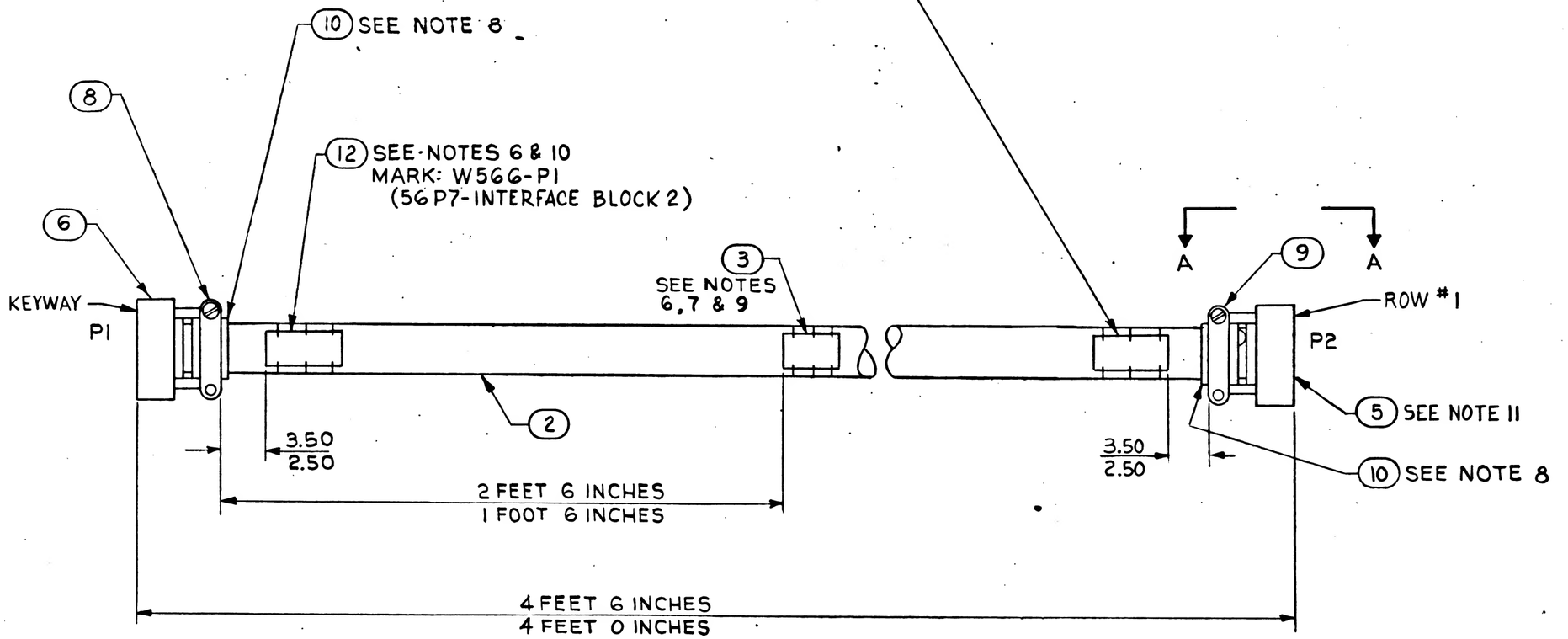
SIZE	CODE IDENT NO.	
A	99974	2901088
SCALE-NONE	REV LTR C	SHEET 9 OF 29

MIL 2084 9-85

REVISIONS TORR 28604					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



PARTIAL VIEW A-A



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
	DRAWN C.M. Kuba 21 FEB 66 DATE	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W566	
	CHECKED 22 FEB 66		
	APPROVAL L Goldman 5/2/66		
DO NOT SCALE THIS DRAWING	CONTRACT NAS 9-497		
MATERIAL —	NASA APPROVAL	SIZE C / CODE IDENT NO. 99974	2901089
APPROVAL	MIT APPROVAL M6 Murley 5-10-66	SCALE NONE	SHEET 11 OF 11

2901089

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 307	1		P1-157					.15	NO		7, 9	
			P4-A5					.19	NO		4	
A 308	1		P1-158					.15	NO		7, 9	
			P4-A6					.19	NO		4	
A 309	1		P1-159					.15	NO		7, 9	
			P4-B1					.19	NO		4	
A 310	1		P1-160					.15	NO		7, 9	
			P4-B2					.19	NO		4	
A 311	1		P1-161					.15	NO		7, 9	
			P4-B3					.19	NO		4	
A 312	1		P1-251					.15	NO		7, 9	
			P4-B4					.19	NO		4	
A 313	1		P1-252					.15	NO		7, 9	
			P4-B5					.19	NO		4	
A 314	1		P1-253					.15	NO		7, 9	
			P4-B6					.19	NO		4	
A 315	1		P1-254					.15	NO		7, 9	
			P4-B7					.19	NO		4	
A 316	1		P1-255					.15	NO		7, 9	
			P4-B8					.19	NO		4	
A 317	1		P1-256					.15	NO		7, 9	
			P4-C1					.19	NO		4	
A 318	1		P1-257					.15	NO		7, 9	
			P4-C2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR AE	SHEET 30 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 319	1		P1-258					.15	NO		7, 9	
			P4-C3					.19	NO		4	
A 320	1		P1-259					.15	NO		7, 9	
			P4-C4					.19	NO		4	
A 321	1		P1-260					.15	NO		7, 9	
			P4-C5					.19	NO		4	
A 322	1		P1-261					.15	NO		7, 9	
			P4-C6					.19	NO		4	
A 323	1		P1-351					.15	NO		7, 9	
			P4-C7					.19	NO		4	
A 324	1		P1-352					.15	NO		7, 9	
			P4-C8					.19	NO		4	
A 325	1		P1-353					.15	NO		7, 9	
			P4-D1					.19	NO		4	
A 326	1		P1-354					.15	NO		7, 9	
			P4-D2					.19	NO		4	
A 327	1		P1-355					.15	NO		7, 9	
			P4-D3					.19	NO		4	
A 328	1		P1-356					.15	NO		7, 9	
			P4-D4					.19	NO		4	
A 329	1		P1-357					.15	NO		7, 9	
			P4-D5					.19	NO		4	
A 330	1		P1-358					.15	NO		7, 9	
			P4-D6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR AE	SHEET 31 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 331	1		P1-359					.15	NO		7, 9	
			P4-D7					.19	NO		4	
A 332	1		P1-360					.15	NO		7, 9	
			P4-D8					.19	NO		4	
A 333	1		P1-361					.15	NO		7, 9	
			P4-E1					.19	NO		4	
A 334	1		P1-451					.15	NO		7, 9	
			P4-E2					.19	NO		4	
A 335	1		P1-452					.15	NO		7, 9	
			P4-E3					.19	NO		4	
A 336	1		P1-453					.15	NO		7, 9	
			P4-E4					.19	NO		4	
A 337	1		P1-454					.15	NO		7, 9	
			P4-E5					.19	NO		4	
A 338	1		P1-455					.15	NO		7, 9	
			P4-E6					.19	NO		4	
A 339	1		P1-456					.15	NO		7, 9	
			P4-E7					.19	NO		4	
A 340	1		P1-457					.15	NO		7, 9	
			P4-E8					.19	NO		4	
A 341	1		P1-458					.15	NO		7, 9	
			P4-F1					.19	NO		4	
A 342	1		P1-459					.15	NO		7, 9	
			P4-F2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR AE	SHEET 32 OF 35

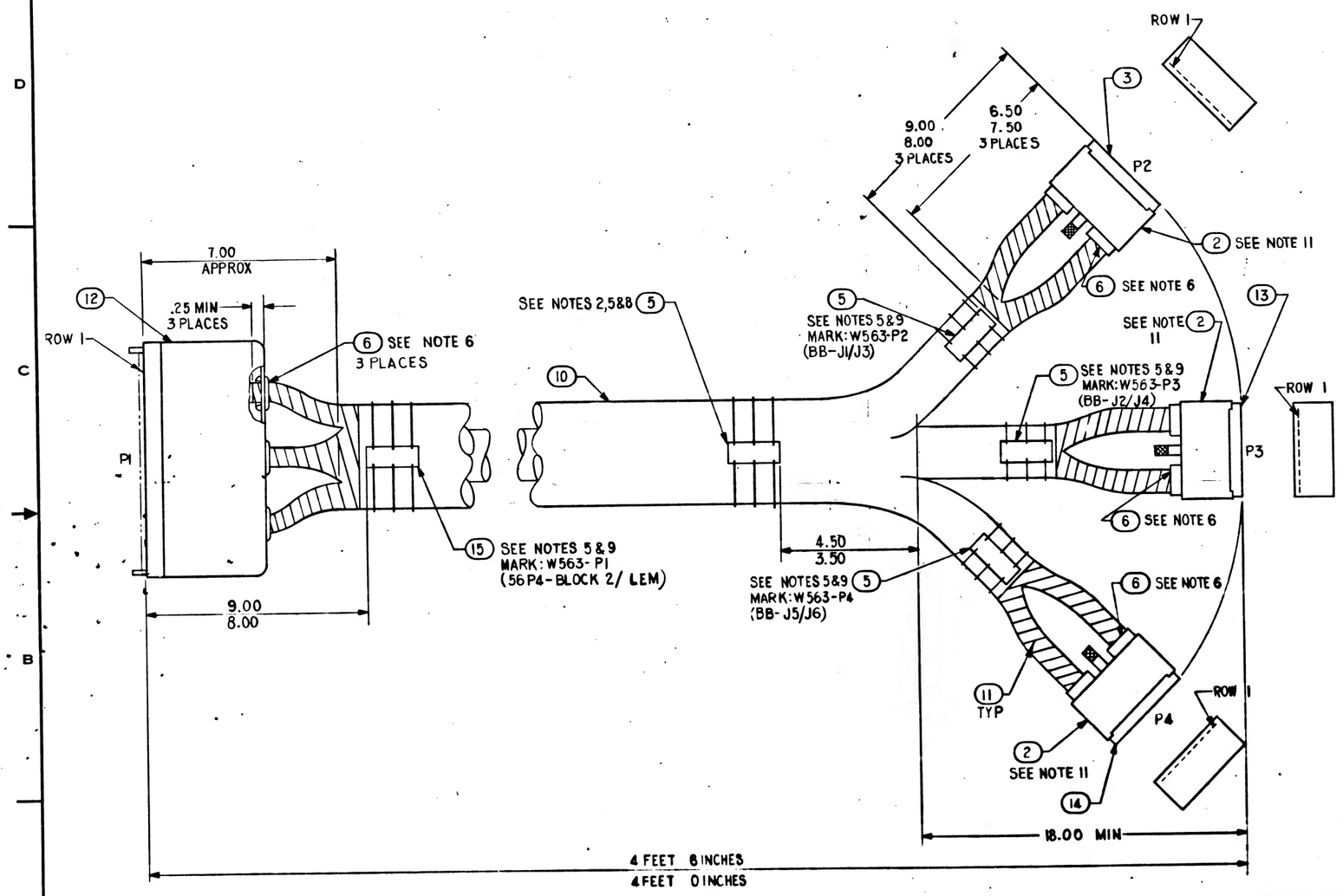
MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 343	1		P1-460					.15	NO		7, 9	
			P4-F3					.19	NO		4	
A 344	1		P1-461					.15	NO		7, 9	
			P4-F4					.19	NO		4	
A 345	1		P1-551					.15	NO		7, 9	
			P4-F5					.19	NO		4	
A 346	1		P1-552					.15	NO		7, 9	
			P4-F6					.19	NO		4	
A 347	1		P1-553					.15	NO		7, 9	
			P4-F7					.19	NO		4	
A 348	1		P1-554					.15	NO		7, 9	
			P4-F8					.19	NO		4	
A 349	1		P1-555					.15	NO		7, 9	
			P4-G1					.19	NO		4	
A 350	1		P1-556					.15	NO		7, 9	
			P4-G2					.19	NO		4	
A 351	1		P1-557					.15	NO		7, 9	
			P4-G3					.19	NO		4	
A 352	1		P1-558					.15	NO		7, 9	
			P4-G4					.19	NO		4	
A 353	1		P1-559					.15	NO		7, 9	
			P4-G5					.19	NO		4	
A 354	1		P1-560					.15	NO		7, 9	
			P4-G6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR AE	SHEET 33 OF 35

MIL 2084 9-65

REVISIONS TCM-30433				
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN JAN-WIAK 5 JAN 66	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W563
MATERIAL	CHECKED MC-YE 13 JAN 66	
APPROVAL	APPROVED	
	CONTRACT NAS 9-497	SIZE D · CODE IDENT NO 99974 · 2901090
	NASA APPROVAL	SCALE NONE · SHEET 35 OF 35
	ECP APPROVAL	

2901090 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		P1-113 P2-C1					.15 .19	NO NO		7, 9 4	
A 14	1		P1-114 P2-C2					.15 .19	NO NO		7, 9 4	
A 15	1		P1-115 P2-C3					.15 .19	NO NO		7, 9 4	
A 16	1		P1-116 P2-C4					.15 .19	NO NO		7, 9 4	
A 17	1		P1-117 P2-C5					.15 .19	NO NO		7, 9 4	
A 18	1		P1-118 P2-C6					.15 .19	NO NO		7, 9 4	
A 19	1		P1-119 P2-C7					.15 .19	NO NO		7, 9 4	
A 20	1		P1-120 P2-C8					.15 .19	NO NO		7, 9 4	
A 21	1		P1-121 P2-D1					.15 .19	NO NO		7, 9 4	
A 22	1		P1-122 P2-D2					.15 .19	NO NO		7, 9 4	
A 23	1		P1-123 P2-D3					.15 .19	NO NO		7, 9 4	
A 24	1		P1-124 P2-D4					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 6 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1		P1-125 P2-D5					.15 .19	NO NO		7, 9 4	
A 26	1		P1-126 P2-D6					.15 .19	NO NO		7, 9 4	
A 27	1		P1-127 P2-D7					.15 .19	NO NO		7, 9 4	
A 28	1		P1-128 P2-D8					.15 .19	NO NO		7, 9 4	
A 29	1		P1-129 P2-E1					.15 .19	NO NO		7, 9 4	
A 30	1		P1-130 P2-E2					.15 .19	NO NO		7, 9 4	
A 32	1		P1-132 P2-E4					.15 .19	NO NO		7, 9 4	
A 33	1		P1-133 P2-E5					.15 .19	NO NO		7, 9 4	
A 34	1		P1-134 P2-E6					.15 .19	NO NO		7, 9 4	
A 35	1		P1-135 P2-E7					.15 .19	NO NO		7, 9 4	
A 36	1		P1-136 P2-E8					.15 .19	NO NO		7, 9 4	
A 37	1		P1-137 P2-F1					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 7 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 38	1		P1-138 P2-F2					.15 .19	NO NO		7, 9 4	
A 39	1		P1-139 P2-F3					.15 .19	NO NO		7, 9 4	
A 40	1		P1-140 P2-F4					.15 .19	NO NO		7, 9 4	
A 41	1		P1-141 P2-F5					.15 .19	NO NO		7, 9 4	
A 42	1		P1-142 P2-F6					.15 .19	NO NO		7, 9 4	
A 43	1		P1-143 P2-F7					.15 .19	NO NO		7, 9 4	
A 44	1		P1-144 P2-F8					.15 .19	NO NO		7, 9 4	
A 45	1		P1-145 P2-G1					.15 .19	NO NO		7, 9 4	
A 46	1		P1-146 P2-G2					.15 .19	NO NO		7, 9 4	
A 47	1		P1-147 P2-G3					.15 .19	NO NO		7, 9 4	
A 48	1		P1-148 P2-G4					.15 .19	NG NO		7, 9 4	
A 49	1		P1-149 P2-G5					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 8 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 50	1		P1-150 P2-G6					.15 .19	NO NO		7, 9 4	
A 51	1		P1-201 P2-G7					.15 .19	NO NO		7, 9 4	
A 52	1		P1-202 P2-G8					.15 .19	NO NO		7, 9 4	
A 53	1		P1-203 P2-H1					.15 .19	NO NO		7, 9 4	
A 54	1		P1-204 P2-H2					.15 .19	NO NO		7, 9 4	
A 55	1		P1-205 P2-H3					.15 .19	NO NO		7, 9 4	
A 56	1		P1-206 P2-H4					.15 .19	NO NO		7, 9 4	
A 57	1		P1-207 P2-H5					.15 .19	NO NO		7, 9 4	
A 58	1		P1-208 P2-H6					.15 .19	NO NO		7, 9 4	
A 59	1		P1-209 P2-H7					.15 .19	NO NO		7, 9 4	
A 60	1		P1-210 P2-H8					.15 .19	NO NO		7, 9 4	
A 61	1		P1-211 P2-J1					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 9 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 62	1		P1-212 P2-J2					.15 .19	NO NO		7, 9 4	
A 63	1		P1-213 P2-J3					.15 .19	NO NO		7, 9 4	
A 64	1		P1-214 P2-J4					.15 .19	NO NO		7, 9 4	
A 65	1		P1-215 P2-J5					.15 .19	NO NO		7, 9 4	
A 66	1		P1-216 P2-J6					.15 .19	NO NO		7, 9 4	
A 67	1		P1-217 P2-J7					.15 .19	NO NO		7, 9 4	
A 68	1		P1-218 P2-J8					.15 .19	NO NO		7, 9 4	
A 69	1		P1-219 P2-K1					.15 .19	NO NO		7, 9 4	
A 70	1		P1-220 P2-K2					.15 .19	NO NO		7, 9 4	
A 71	1		P1-221 P2-K3					.15 .19	NO NO		7, 9 4	
A 72	1		P1-222 P2-K6					.15 .19	NO NO		7, 9 4	
A 73	1		P1-223 P2-K7					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 10 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 74	1		P1-224 P2-K8					.15 .19	NO NO		7, 9 4	
A 75	1		P1-225 P2-L1					.15 .19	NO NO		7, 9 4	
A 76	1		P1-226 P2-L2					.15 .19	NO NO		7, 9 4	
A 77	1		P1-227 P2-L7					.15 .19	NO NO		7, 9 4	
A 78	1		P1-228 P2-L8					.15 .19	NO NO		7, 9 4	
A 79	1		P1-229 P2-M1					.15 .19	NO NO		7, 9 4	
A 80	1		P1-230 P2-M2					.15 .19	NO NO		7, 9 4	
A 82	1		P1-232 P2-M6					.15 .19	NO NO		7, 9 4	
A 83	1		P1-233 P2-M7					.15 .19	NO NO		7, 9 4	
A 84	1		P1-234 P2-M8					.15 .19	NO NO		7, 9 4	
A 85	1		P1-235 P2-N1					.15 .19	NO NO		7, 9 4	
A 86	1		P1-236 P2-N2					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 11 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87	1		P1-237 P2-N3					.15 .19	NO NO		7, 9 4	
A 88	1		P1-238 P2-N4					.15 .19	NO NO		7, 9 4	
A 89	1		P1-239 P2-N5					.15 .19	NO NO		7, 9 4	
A 90	1		P1-240 P2-N6					.15 .19	NO NO		7, 9 4	
A 91	1		P1-241 P2-N7					.15 .19	NO NO		7, 9 4	
A 92	1		P1-242 P2-N8					.15 .19	NO NO		7, 9 4	
A 93	1		P1-243 P2-P1					.15 .19	NO NO		7, 9 4	
A 94	1		P1-244 P2-P2					.15 .19	NO NO		7, 9 4	
A 95	1		P1-245 P2-P3					.15 .19	NO NO		7, 9 4	
A 96	1		P1-246 P2-P4					.15 .19	NO NO		7, 9 4	
A 97	1		P1-247 P2-P5					.15 .19	NO NO		7, 9 4	
A 98	1		P1-248 P2-P6					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 12 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 99	1		P1-249 P2-P7					.15 .19	NO NO		7, 9 4	
A 100	1		P1-250 P2-P8					.15 .19	NO NO		7, 9 4	
A 101	1		P1-301 P2-R1					.15 .19	NO NO		7, 9 4	
A 102	1		P1-302 P2-R2					.15 .19	NO NO		7, 9 4	
A 103	1		P1-303 P2-R3					.15 .19	NO NO		7, 9 4	
A 104	1		P1-304 P2-R4					.15 .19	NO NO		7, 9 4	
A 105	1		P1-305 P2-R5					.15 .19	NO NO		7, 9 4	
A 106	1		P1-306 P2-R6					.15 .19	NO NO		7, 9 4	
A 107	1		P1-307 P2-R7					.15 .19	NO NO		7, 9 4	
A 108	1		P1-308 P2-R8					.15 .19	NO NO		7, 9 4	
A 109	1		P1-309 P2-S1					.15 .19	NO NO		7, 9 4	
A 110	1		P1-310 P2-S2					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 13 OF 35

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	355	1		P1-561 P4-G7					.15 .19	NO NO		7, 9 4	
A	356	1		P1-651 P4-G8					.15 .19	NO NO		7, 9 4	
A	357	1		P1-652 P4-H1					.15 .19	NO NO		7, 9 4	
A	358	1		P1-653 P4-H2					.15 .19	NO NO		7, 9 4	
A	359	1		P1-654 P4-H3					.15 .19	NO NO		7, 9 4	
A	360	1		P1-655 P4-H4					.15 .19	NO NO		7, 9 4	
A	361	1		P1-656 P4-H5					.15 .19	NO NO		7, 9 4	
A	362	1		P1-657 P4-H6					.15 .19	NO NO		7, 9 4	
A	363	1		P1-658 P4-H7					.15 .19	NO NO		7, 9 4	
A	364	1		P1-659 P4-H8					.15 .19	NO NO		7, 9 4	
A	365	1		P1-660 P4-J1					.15 .19	NO NO		7, 9 4	
A	366	1		P1-661 P4-J2					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	2901090
A	99974	
SCALE-NONE	REV LTR #E	SHEET 34 OF 35

MIL 2084 9-65

APPLICATION	
NEXT ASSY	USED ON
2901076-011	2901076-011

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
B	REPLACES REV A WITH CHANGE PER MXC-209960	11-MAR-66	B. JAC
C	REVISED PER MXC 211612	22 APR 66	LK
D	INITIAL RELEASE CLASS A PER TDRR 28604	2 MAY 66	JHP EF

Charleston 3 MAR 66

REV STATUS OF SHEETS																
REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

DRAFTSMAN Janowiak 5 JAN 66 (DAY MO YR)
CHECKER 25 Feb 66
ENGINEER 3 MAR 66
APPROVAL 5 ...
CONTR NO. NAS 9-497
NASA APPROVAL
MIT APPROVAL 5 ... 66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W575

SIZE	CODE IDENT. NO	
A	99974	2901093

SCALE NONE — SHEET 1 OF 15

MIL 1377A6 12-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	17	1		P1-B2					.15	NO		7, 9	
				P2-C5					.19	NO		4	
A	18	1		P1-B3					.15	NO		7, 9	
				P2-C6					.19	NO		4	
A	19	1		P1-B4					.15	NO		7, 9	
				P2-C7					.19	NO		4	
A	20	1		P1-B5					.15	NO		7, 9	
				P2-C8					.19	NO		4	
A	21	1		P1-B6					.15	NO		7, 9	
				P2-D1					.19	NO		4	
A	22	1		P1-B7					.15	NO		7, 9	
				P2-D2					.19	NO		4	
A	23	1		P1-B8					.15	NO		7, 9	
				P2-D3					.19	NO		4	
A	24	1		P1-B9					.15	NO		7, 9	
				P2-D4					.19	NO		4	
A	25	1		P1-B10					.15	NO		7, 9	
				P2-D5					.19	NO		4	
A	26	1		P1-B11					.15	NO		7, 9	
				P2-D6					.19	NO		4	
A	27	1		P1-B12					.15	NO		7, 9	
				P2-D7					.19	NO		4	
A	28	1		P1-B13					.15	NO		7, 9	
				P2-D8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901093

SCALE-NONE | REV LTR D | SHEET 6 OF 15

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	29	1		P1-B14					.15	NO		7, 9	
				P2-E1					.19	NO		4	
A	30	1		P1-B15					.15	NO		7, 9	
				P2-E2					.19	NO		4	
A	31	1		P1-C1					.15	NO		7, 9	
				P2-E3					.19	NO		4	
A	32	1		P1-C2					.15	NO		7, 9	
				P2-E4					.19	NO		4	
A	33	1		P1-C3					.15	NO		7, 9	
				P2-E5					.19	NO		4	
A	34	1		P1-C4					.15	NO		7, 9	
				P2-E6					.19	NO		4	
A	35	1		P1-C5					.15	NO		7, 9	
				P2-E7					.19	NO		4	
A	36	1		P1-C6					.15	NO		7, 9	
				P2-E8					.19	NO		4	
A	37	1		P1-C7					.15	NO		7, 9	
				P2-F1					.19	NO		4	
A	38	1		P1-C8					.15	NO		7, 9	
				P2-F2					.19	NO		4	
A	39	1		P1-C9					.15	NO		7, 9	
				P2-F3					.19	NO		4	
A	40	1		P1-C10					.15	NO		7, 9	
				P2-F4					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901093

SCALE-NONE | REV LTR D | SHEET 7 OF 15

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	41	1		P1-C11					.15	NO		7, 9	
				P2-F5					.19	NO		4	
A	42	1		P1-C12					.15	NO		7, 9	
				P2-F6					.19	NO		4	
A	43	1		P1-C13					.15	NO		7, 9	
				P2-F7					.19	NO		4	
A	44	1		P1-C14					.15	NO		7, 9	
				P2-F8					.19	NO		4	
A	45	1		P1-C15					.15	NO		7, 9	
				P2-G1					.19	NO		4	
A	46	1		P1-D1					.15	NO		7, 9	
				P2-G2					.19	NO		4	
A	47	1		P1-D2					.15	NO		7, 9	
				P2-G3					.19	NO		4	
A	48	1		P1-D3					.15	NO		7, 9	
				P2-G4					.19	NO		4	
A	49	1		P1-D4					.15	NO		7, 9	
				P2-G5					.19	NO		4	
A	50	1		P1-D5					.15	NO		7, 9	
				P2-G6					.19	NO		4	
A	51	1		P1-D6					.15	NO		7, 9	
				P2-G7					.19	NO		4	
A	52	1		P1-D7					.15	NO		7, 9	
				P2-G8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901093

SCALE-NONE | REV LTR D | SHEET 8 OF 15

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	53	1		P1-D8					.15	NO		7, 9	
				P2-H1					.19	NO		4	
A	54	1		P1-D9					.15	NO		7, 9	
				P2-H2					.19	NO		4	
A	55	1		P1-D10					.15	NO		7, 9	
				P2-H3					.19	NO		4	
A	56	1		P1-D11					.15	NO		7, 9	
				P2-H4					.19	NO		4	
A	57	1		P1-D12					.15	NO		7, 9	
				P2-H5					.19	NO		4	
A	58	1		P1-D13					.15	NO		7, 9	
				P2-H6					.19	NO		4	
A	59	1		P1-D14					.15	NO		7, 9	
				P2-H7					.19	NO		4	
A	60	1		P1-D15					.15	NO		7, 9	
				P2-H8					.19	NO		4	
A	61	1		P1-F1					.15	NO		7, 9	
				P2-J1					.19	NO		4	
A	62	1		P1-F2					.15	NO		7, 9	
				P2-J2					.19	NO		4	
A	63	1		P1-F3					.15	NO		7, 9	
				P2-J3					.19	NO		4	
A	64	1		P1-F4					.15	NO		7, 9	
				P2-J4					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901093

SCALE-NONE | REV LTR D | SHEET 9 OF 15

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24L			P1-44/0					.23	NO		17, 14	
			P3-C19					.18	NO		12	
A 24R			P1-44/I					.22	NO		15, 19, 20	
			P3-C18					.18	NO		12	
A 25	2				4.30	4.00				B,7	23	
					4.30	4.00				B,7	23	
A 25L			P1-43/0					.23	NO		17, 14	
			P3-D9					.18	NO		12	
A 25R			P1-43/I					.22	NO		15, 19, 20	
			P3-D10					.18	NO		12	
A 26	4				4.30	4.00				B,7	23	
					4.30	4.00				B,7	23	
A 26L			P1-31/0					.23	NO		17, 14	
			P3-B20					.18	NO			
A 26R			P1-31/I					.22	NO		15, 19, 20	
			P3-C20					.18	NO		12	
A 26Y			P1-32					.19	NO		38	
			P3-B21					.18	NO		12	
A 27	6		P1-33/0					.23	NO		17, 14	USE WITH P1-33/I
			P3-B12					.18	NO		12	
A 28	6		P1-33/I					.22	NO		15, 19, 20	USE WITH P1-33/0
			P3-A12					.18	NO		12	
A 29	6		P1-35/0					.23	NO		17, 14	
			P3-A11					.18	NO		12	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 13 OF 42

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30	6		P1-35/I					.22	NO		15, 19, 20	
			P3-B11					.18	NO		12	
A 31	6		P1-36/0					.23	NO		17, 14	
			P3-B13					.18	NO		12	
A 32	6		P1-36/I					.22	NO		15, 19, 20	
			P3-A13					.18	NO		12	
A 33	6		P1-37					.19	NO		38	
			P3-A14					.18	NO		12	
A 34	6		P1-39					.19	NO		38	
			P3-B16					.18	NO		12	
A 35	4				4.30	4.00				B,7	23	
					4.30	4.00				B,7	23	
A 35L			P1-42/I					.22	NO		15, 19, 20	
			P3-D12					.18	NO		12	
A 35R			P1-41					.19	NO		38	
			P3-D13					.18	NO		12	
A 35Y			P1-42/0					.23	NO		17, 14	
			P3-D11					.18	NO		12	
A 37	4				4.30	4.00				B,7	23	
					4.30	4.00				B,7	23	
A 37L			P1-27/0					.23	NO		17, 14	
			P3-C15					.18	NO		12	
A 37R			P1-27/I					.22	NO		15, 19, 20	
			P3-B15					.18	NO		12	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 14 OF 42

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37Y			FREE END									SEE NOTE 14
			P3-A15					.18	NO		12	
A 38	5		P1-29					.19	NO		33	
			P3-C16					.18	NO		34	
A 39	4				4.80	4.50				B,7	23	
					4.80	4.50				B,7	23	
A 39L			P1-38/0					.23	NO		17, 14	
			P3-C17					.18	NO		12	
A 39R			P1-38/I					.22	NO		15, 19, 20	
			P3-B18					.18	NO		12	
A 39Y			FREE END									SEE NOTE 14
			P3-B17					.18	NO		12	
A 44	2				4.80	4.50				B,7	23	SEE NOTE 19
					4.80	4.50				B,7	23	
A 44L			P1-40/0					.23	NO		17, 14	
			P4-636					.18	NO		12	
A 44R			P1-40/I					.22	NO		15, 19, 20	
			P4-536					.18	NO		12	
A 45	2				3.30	3.00				A,6B	21, 23	
					3.30	3.00				A,6B	21, 23	
A 45A	6		SHLD A45					.25	NO			
			P2-2/I					.22	NO		20, 18, 13	USE WITH P2-2/0
A 45B	5		P4-410					.18	NO		34	
			SHLD A45					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 15 OF 42

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45L			P2-1/0					.23	NO		17, 16	
			P4-510					.18	NO		12	
A 45R			P2-1/I					.22	NO		20, 18, 13	
			P4-610					.18	NO		12	
A 46	2				3.30	3.00				A,6B	21, 23	
					3.30	3.00				A,6B	21, 23	
A 46A	6		SHLD A46					.25	NO			
			P2-2/0					.22	NO		17, 16	USE WITH P2-2/I
A 46B	5		P4-110					.18	NO		34	
			SHLD A46					.25	NO			
A 46L			P2-3/0					.23	NO		17, 16	
			P4-210					.18	NO		12	
A 46R			P2-3/I					.22	NO		20, 18, 13	
			P4-310					.18	NO		12	
A 47	2				3.30	3.00				A,6B	21, 23	
					3.30	3.00				A,6B	21, 23	
A 47A	6		SHLD A47					.25	NO			
			P2-5/I					.22	NO		20, 18, 13	USE WITH P2-5/0
A 47B	5		P4-409					.18	NO		34	
			SHLD A47					.25	NO			
A 47L			P2-4/0					.23	NO		17, 16	
			P4-509					.18	NO		12	
A 47R			P2-4/I					.22	NO		20, 18, 13	
			P4-609					.18	NO		12	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 16 OF 42

MIL 2084 9-85

APPLICATION	
NEXT ASSY	USED ON
2901075-011	2901075-011

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
B	REPLACES REV A WITH CHANGE PER MXC-209927	16-MAR-66	B.
C	REVISED PER MXC-210451	31-MAR-66	B. WK
D	REVISED PER MXC 211605	22-APR-66	M.G. CP
E	INITIAL RELEASE CLASS A PER TDRR 28599	2 MAY 66	JHP EF

REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

REV STATUS OF SHEETS	REV							E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	SHEET							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

DRAFTSMAN	DAY NO YR	9 DEC 65
CHECKER		2 MAR 66
ENGINEER		2 MAR 66
APPROVAL		1964
CONTR NO.	NAS 9-497	
NASA APPROVAL		
MIT APPROVAL		

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W553

SIZE	CODE IDENT. NO	
A	99974	2901059

SCALE NONE | SHEET 1 OF 85

MIL 1377A6 12-65

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	E	80	E														
47	E	81	E														
48	E	82	E														
49	E	83	E														
50	E	84	E														
51	E	85	E														
52	E																
53	E																
54	E																
55	E																
56	E																
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72	E																
73	E																
74	E																
75	E																
76	E																
77	E																
78	E																
79	E																

SIZE	CODE IDENT. NO.	
A	99974	2901059

SCALE NONE | REV LTR E | SHEET 2 OF 85

MIL 1377A3 8-65

NOTE GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER - A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.
4	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
7	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE
8	MARK REFERENCE DESIGNATIONS SHOWN PER ND1002019, HOT IMPRESSION STAMPING, USING .12 BLACK CHARACTERS CENTRALIZED
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 16 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
10	SERIALIZE PER ND1002032
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	ASSEMBLE PER ND1002032

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR * E	SHEET 3 OF 85

MIL 2084 9-65

NOTE GENERAL NOTES

NOTE NUMBER	DESCRIPTION
13	AT ASSEMBLY OF ITEM 19 REMOVE 4 SELF-LOCKING NUTS SECURING LOCATING PINS TO CONNECTOR AND DISCARD. ATTACH ITEM 19 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR * E	SHEET 4 OF 85

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2901059-001	WIRE ND 1002161 TYPE 1 CLASS 4 22 AWG WHT JKT WHT 1200 FT TOTAL LENGTH
	2	1	2901059-002	WIRE ND1002161 TYPE 1 CLASS 1 24 AWG WHT 150 FT TOTAL LENGTH
	3	1	2901059-003	ZIPPER TUBING PER ND10C2155 TYPE 4 GREY 2.5, 2.5 DIA 4 FT TOTAL LENGTH 2 CHANNEL
4	4	300	1016369-421	CONTACT, SOCKET
	5	1	2901059-005	WIRE ND 1002161 TYPE 1 CLASS 1 16 AWG WHT 2 FT TOTAL LENGTH
	6	1	2901059-004	WIRE ND 1002161 TYPE 1 CLASS 1 20 AWGWHT 10 FT TOTAL LENGTH
4	7	300	1897300-002	CONTACT, SPRING SOCKET
4	8	300	1010763-002	SOLDER SLEEVE
4	9	600	1010490-232	INSULATION SLEEVING SHRINK FIT
*	10	1	2901434-011 ~~1897330-001~~	CONNECTOR
4	11	1	2901158-011	CONNECTOR
4	12	26	1016006-002	SPLICE REDUCER
4	13	26	1010490-258	INSULATION SLEEVING SHRINK FIT
	14		1015902-003	DELETED
4	15	3	1016128-021	BAND IDENTIFICATION

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR * D E	SHEET 5 OF 85

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	AR	MIL-I-631 TYPE F FORM T BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
	17	AR	MIL-T-713B TYPE P CLASS 2 BLK	LACING TAPE
4	18	300	1015864-232	INSULATION SLEEVING, ELECT.
4	19	2	1897391	CLAMP, CABLE DUAL ENTRY
	20		1010490-166	DELETED
4	21	2	1016006-004	SPLICE REDUCER
4	22	2	1010490-342	INSULATION SLEEVING SHRINK FIT
*	23	1	2901434-021 ~~1897330-002~~	CONNECTOR
4	24	1	1016006-001	SPLICE REDUCER
	25	AR	MIL-I-15126 TYPE ACT	INSULATION TAPE ELEC PRESSURE SENSITIVE THERMO SETTING ADHESIVE, .75 + OR -.03 WIDE (ES2716 TYPE C)
	26	2	1016369-721	CONTACT, SOCKET
	27	1	1016128-041	BAND IDENTIFICATION

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR * D E	SHEET 6 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2	E1-B SHLD A5					.25 NO .25 NO				
A	5W		P1-105 P2-B1					.15 NO .19 NO			7, 18 4	
A	6	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2	E1-B SHLD A6					.25 NO .25 NO				
A	6W		P1-106 P2-B2					.15 NO .19 NO			7, 18 4	
A	7	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2	E1-B SHLD A7					.25 NO .25 NO				
A	7W		P1-107 P2-B3					.15 NO .19 NO			7, 18 4	
A	8	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2	E1-B SHLD A8					.25 NO .25 NO				
A	8W		P1-108 P2-B4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 8 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2	E1-B SHLD A9					.25 NO .25 NO				
A	9W		P1-109 P2-B5					.15 NO .19 NO			7, 18 4	
A	10	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2	E1-B SHLD A10					.25 NO .25 NO				
A	10W		P1-110 P2-B6					.15 NO .19 NO			7, 18 4	
A	11	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2	E1-B SHLD A11					.25 NO .25 NO				
A	11W		P1-111 P2-B7					.15 NO .19 NO			7, 18 4	
A	12	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2	E1-B SHLD A12					.25 NO .25 NO				
A	12W		P1-112 P2-B8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 9 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2	E2-B SHLD A13					.25 NO .25 NO				
A	13W		P1-113 P2-C1					.15 NO .19 NO			7, 18 4	
A	14	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2	E2-B SHLD A14					.25 NO .25 NO				
A	14W		P1-114 P2-C2					.15 NO .19 NO			7, 18 4	
A	15	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2	E2-B SHLD A15					.25 NO .25 NO				
A	15W		P1-115 P2-C3					.15 NO .19 NO			7, 18 4	
A	16	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2	E2-B SHLD A16					.25 NO .25 NO				
A	16W		P1-116 P2-C4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 10 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 17B	2		E2-B SHLD A17					.25 NO .25 NO				
A 17W			P1-117 P2-C5					.15 NO .19 NO			7, 18 4	
A 18	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 18B	2		E2-B SHLD A18					.25 NO .25 NO				
A 18W			P1-118 P2-C6					.15 NO .19 NO			7, 18 4	
A 19	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 NO .25 NO				
A 19W			P1-119 P2-C7					.15 NO .19 NO			7, 18 4	
A 20	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 NO .25 NO				
A 20W			P1-120 P2-C8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 11 OF 85

MIL 2044 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 21B	2		E2-B SHLD A21					.25 NO .25 NO				
A 21W			P1-121 P2-D1					.15 NO .19 NO			7, 18 4	
A 22	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 22B	2		E2-B SHLD A22					.25 NO .25 NO				
A 22W			P1-122 P2-D2					.15 NO .19 NO			7, 18 4	
A 23	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 23B	2		E2-B SHLD A23					.25 NO .25 NO				
A 23W			P1-123 P2-D3					.15 NO .19 NO			7, 18 4	
A 24	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 24B	2		E2-B SHLD A24					.25 NO .25 NO				
A 24W			P1-124 P2-D4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 12 OF 85

MIL 2044 9-65

LEAD IDENT	WIRE MAIL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 25B	2		E3-B SHLD A25					.25 NO .25 NO				
A 25W			P1-125 P2-D5					.15 NO .19 NO			7, 18 4	
A 26	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 26B	2		E3-B SHLD A26					.25 NO .25 NO				
A 26W			P1-126 P2-D6					.15 NO .19 NO			7, 18 4	
A 27	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 NO .25 NO				
A 27W			P1-127 P2-D7					.15 NO .19 NO			7, 18 4	
A 28	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 NO .25 NO				
A 28W			P1-128 P2-D8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 13 OF 85

MIL 2044 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 NO .25 NO				
A 29W			P1-129 P2-E1					.15 NO .19 NO			7, 18 4	
A 30	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 NO .25 NO				
A 30W			P1-130 P2-E2					.15 NO .19 NO			7, 18 4	
A 31	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 31B	2		E3-B SHLD A31					.25 NO .25 NO				
A 31W			P1-131 P2-E3					.15 NO .19 NO			7, 18 4	
A 32	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 32B	2		E3-B SHLD A32					.25 NO .25 NO				
A 32W			P1-132 P2-E4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 14 OF 85

MIL 2044 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		E3-B SHLD A33					.25 NO .25 NO				
A 33W			P1-133 P2-E5					.15 NO .19 NO			7, 18 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E3-B SHLD A34					.25 NO .25 NO				
A 34W			P1-134 P2-E6					.15 NO .19 NO			7, 18 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E3-B SHLD A35					.25 NO .25 NO				
A 35W			P1-135 P2-E7					.15 NO .19 NO			7, 18 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E3-B SHLD A36					.25 NO .25 NO				
A 36W			P1-136 P2-E8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 15 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 NO .25 NO				
A 37W			P1-137 P2-F1					.15 NO .19 NO			7, 18 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 NO .25 NO				
A 38W			P1-138 P2-F2					.15 NO .19 NO			7, 18 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 NO .25 NO				
A 39W			P1-139 P2-F3					.15 NO .19 NO			7, 18 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 NO .25 NO				
A 40W			P1-140 P2-F4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 16 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E4-B SHLD A41					.25 NO .25 NO				
A 41W			P1-141 P2-F5					.15 NO .19 NO			7, 18 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E4-B SHLD A42					.25 NO .25 NO				
A 42W			P1-142 P2-F6					.15 NO .19 NO			7, 18 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E4-B SHLD A43					.25 NO .25 NO				
A 43W			P1-143 P2-F7					.15 NO .19 NO			7, 18 4	
A 44	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 44B	2		E4-B SHLD A44					.25 NO .25 NO				
A 44W			P1-144 P2-F8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 17 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E4-B SHLD A45					.25 NO .25 NO				
A 45W			P1-145 P2-G1					.15 NO .19 NO			7, 18 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E4-B SHLD A46					.25 NO .25 NO				
A 46W			P1-146 P2-G2					.15 NO .19 NO			7, 18 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E4-B SHLD A47					.25 NO .25 NO				
A 47W			P1-147 P2-G3					.15 NO .19 NO			7, 18 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E4-B SHLD A48					.25 NO .25 NO				
A 48W			P1-148 P2-G4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 18 OF 85

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	49	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A	49B	2		E5-B SHLD A49					.25 NO .25 NO				
A	49W			P1-149 P2-G5					.15 NO .19 NO			7, 18 4	
A	50	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A	50B	2		E5-B SHLD A50					.25 NO .25 NO				
A	50W			P1-150 P2-G6					.15 NO .19 NO			7, 18 4	
A	51	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A	51B	2		E5-B SHLD A51					.25 NO .25 NO				
A	51W			P1-201 P2-G7					.15 NO .19 NO			7, 18 4	
A	52	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A	52B	2		E5-B SHLD A52					.25 NO .25 NO				
A	52W			P1-202 P2-G8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 19 OF 85

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	53	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A	53B	2		E5-B SHLD A53					.25 NO .25 NO				
A	53W			P1-203 P2-H1					.15 NO .19 NO			7, 18 4	
A	54	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A	54B	2		E5-B SHLD A54					.25 NO .25 NO				
A	54W			P1-204 P2-H2					.15 NO .19 NO			7, 18 4	
A	55	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A	55B	2		E5-B SHLD A55					.25 NO .25 NO				
A	55W			P1-205 P2-H3					.15 NO .19 NO			7, 18 4	
A	56	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A	56B	2		E5-B SHLD A56					.25 NO .25 NO				
A	56W			P1-206 P2-H4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 20 OF 85

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	57	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A	57B	2		E5-B SHLD A57					.25 .25				
A	57W			P1-207 P2-H5					.15 .19			7, 18 4	
A	58	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A	58B	2		E5-B SHLD A58					.25 .25				
A	58W			P1-208 P2-H6					.15 .19			7, 18 4	
A	59	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A	59B	2		E5-B SHLD A59					.25 .25				
A	59W			P1-209 P2-H7					.15 .19			7, 18 4	
A	60	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A	60B	2		E5-B SHLD A60					.25 .25				
A	60W			P1-210 P2-H8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 21 OF 85

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	61	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A	61B	2		E6-B SHLD A61					.25 .25				
A	61W			P1-211 P2-J1					.15 .19			7, 18 4	
A	62	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A	62B	2		E6-B SHLD A62					.25 .25				
A	62W			P1-212 P2-J2					.15 .19			7, 18 4	
A	63	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A	63B	2		E6-B SHLD A63					.25 .25				
A	63W			P1-213 P2-J3					.15 .19			7, 18 4	
A	64	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A	64B	2		E6-B SHLD A64					.25 .25				
A	64W			P1-214 P2-J4					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 22 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 65B	2		E6-B SHLD A65					.25 NO .25 NO				
A 65W			P1-215 P2-J5					.15 NO .19 NO			7, 18 4	
A 66	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 66B	2		E6-B SHLD A66					.25 NO .25 NO				
A 66W			P1-216 P2-J6					.15 NO .19 NO			7, 18 4	
A 67	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 67B	2		E6-B SHLD A67					.25 NO .25 NO				
A 67W			P1-217 P2-J7					.15 NO .19 NO			7, 18 4	
A 68	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 68B	2		E6-B SHLD A68					.25 NO .25 NO				
A 68W			P1-218 P2-J8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 23 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 69	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 69B	2		E6-B SHLD A69					.25 NO .25 NO				
A 69W			P1-219 P2-K1					.15 NO .19 NO			7, 18 4	
A 70	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 70B	2		E6-B SHLD A70					.25 NO .25 NO				
A 70W			P1-220 P2-K2					.15 NO .19 NO			7, 18 4	
A 71	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 71B	2		E6-B SHLD A71					.25 NO .25 NO				
A 71W			P1-221 P2-K3					.15 NO .19 NO			7, 18 4	
A 72	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 72B	2		E6-B SHLD A72					.25 NO .25 NO				
A 72W			P1-222 P2-K6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 24 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 73B	2		E7-B SHLD A73					.25 NO .25 NO				
A 73W			P1-223 P2-K7					.15 NO .19 NO			7, 18 4	
A 74	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 74B	2		E7-B SHLD A74					.25 NO .25 NO				
A 74W			P1-224 P2-K8					.15 NO .19 NO			7, 18 4	
A 75	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 75B	2		E7-B SHLD A75					.25 NO .25 NO				
A 75W			P1-225 P2-L1					.15 NO .19 NO			7, 18 4	
A 76	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 76B	2		E7-B SHLD A76					.25 NO .25 NO				
A 76W			P1-226 P2-L2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 25 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 77B	2		E7-B SHLD A77					.25 NO .25 NO				
A 77W			P1-227 P2-L7					.15 NO .19 NO			7, 18 4	
A 78	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 78B	2		E7-B SHLD A78					.25 NO .25 NO				
A 78W			P1-228 P2-L8					.15 NO .19 NO			7, 18 4	
A 79	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 79B	2		E7-B SHLD A79					.25 NO .25 NO				
A 79W			P1-229 P2-M1					.15 NO .19 NO			7, 18 4	
A 80	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 80B	2		E7-B SHLD A80					.25 NO .25 NO				
A 80W			P1-230 P2-M2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 26 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W553 2901059 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 81B	2		E7-B SHLD A81					.25 NO .25 NO				
A 81W			P1-231 P2-M3					.15 NO .19 NO			7, 18 4	
A 82	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 82B	2		E7-B SHLD A82					.25 NO .25 NO				
A 82W			P1-232 P2-M6					.15 NO .19 NO			7, 18 4	
A 83	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 83B	2		E7-B SHLD A83					.25 NO .25 NO				
A 83W			P1-233 P2-M7					.15 NO .19 NO			7, 18 4	
A 84	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 84B	2		E7-B SHLD A84					.25 NO .25 NO				
A 84W			P1-234 P2-M8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 27 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W553 2901059 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 85B	2		E8-B SHLD A85					.25 NO .25 NO				
A 85W			P1-235 P2-N1					.15 NO .19 NO			7, 18 4	
A 86	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 86B	2		E8-B SHLD A86					.25 NO .25 NO				
A 86W			P1-236 P2-N2					.15 NO .19 NO			7, 18 4	
A 87	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 87B	2		E8-B SHLD A87					.25 NO .25 NO				
A 87W			P1-237 P2-N3					.15 NO .19 NO			7, 18 4	
A 88	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 88B	2		E8-B SHLD A88					.25 NO .25 NO				
A 88W			P1-238 P2-N4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 28 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W553 2901059 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 89B	2		E8-B SHLD A89					.25 NO .25 NO				
A 89W			P1-239 P2-N5					.15 NO .19 NO			7, 18 4	
A 90	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 90B	2		E8-B SHLD A90					.25 NO .25 NO				
A 90W			P1-240 P2-N6					.15 NO .19 NO			7, 18 4	
A 91	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 91B	2		E8-B SHLD A91					.25 NO .25 NO				
A 91W			P1-241 P2-N7					.15 NO .19 NO			7, 18 4	
A 92	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 92B	2		E8-B SHLD A92					.25 NO .25 NO				
A 92W			P1-242 P2-N8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 29 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W553 2901059 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 93	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 93B	2		E8-B SHLD A93					.25 NO .25 NO				
A 93W			P1-243 P2-P1					.15 NO .19 NO			7, 18 4	
A 94	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 94B	2		E8-B SHLD A94					.25 NO .25 NO				
A 94W			P1-244 P2-P2					.15 NO .19 NO			7, 18 4	
A 95	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 95B	2		E8-B SHLD A95					.25 NO .25 NO				
A 95W			P1-245 P2-P3					.15 NO .19 NO			7, 18 4	
A 96	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 96B	2		E8-B SHLD A96					.25 NO .25 NO				
A 96W			P1-246 P2-P4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 30 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 113B	2		E10-B SHLD A113					.25 NO .25 NO				
A 113W			P1-313 P2-S5					.15 NO .19 NO			7, 18 4	
A 114	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 114B	2		E10-B SHLD A114					.25 NO .25 NO				
A 114W			P1-314 P2-S6					.15 NO .19 NO			7, 18 4	
A 115	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 115B	2		E10-B SHLD A115					.25 NO .25 NO				
A 115W			P1-315 P2-S7					.15 NO .19 NO			7, 18 4	
A 116	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 116B	2		E10-B SHLD A116					.25 NO .25 NO				
A 116W			P1-316 P2-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 35 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 117	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 117B	2		E10-B SHLD A117					.25 NO .25 NO				
A 117W			P1-317 P2-T1					.15 NO .19 NO			7, 18 4	
A 118	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 118B	2		E10-B SHLD A118					.25 NO .25 NO				
A 118W			P1-318 P2-T2					.15 NO .19 NO			7, 18 4	
A 119	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 119B	2		E10-B SHLD A119					.25 NO .25 NO				
A 119W			P1-319 P2-T3					.15 NO .19 NO			7, 18 4	
A 120	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 120B	2		E10-B SHLD A120					.25 NO .25 NO				
A 120W			P1-320 P2-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 36 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 121	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 121B	2		E11-B SHLD A121					.25 .25				
A 121W			P1-321 P2-T5					.15 .19			7, 18 4	
A 122	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 122B	2		E11-B SHLD A122					.25 .25				
A 122W			P1-322 P2-T6					.15 .19			7, 18 4	
A 123	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 123B	2		E11-B SHLD A123					.25 .25				
A 123W			P1-323 P2-T7					.15 .19			7, 18 4	
A 124	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 124B	2		E11-B SHLD A124					.25 .25				
A 124W			P1-324 P2-T8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 37 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 125	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 125B	2		E11-B SHLD A125					.25 .25				
A 125W			P1-325 P2-U1					.15 .19			7, 18 4	
A 126	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 126B	2		E11-B SHLD A126					.25 .25				
A 126W			P1-326 P2-U2					.15 .19			7, 18 4	
A 127	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 127B	2		E11-B SHLD A127					.25 .25				
A 127W			P1-327 P2-U3					.15 .19			7, 18 4	
A 128	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 128B	2		E11-B SHLD A128					.25 .25				
A 128W			P1-328 P2-U4					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 38 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 129	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 1298	2		E11-B SHLD A129					.25 NO .25 NO				
A 129W			P1-329 P2-U5					.15 NO .19 NO			7, 18 4	
A 130	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 1308	2		E11-B SHLD A130					.25 NO .25 NO				
A 130W			P1-330 P2-U6					.15 NO .19 NO			7, 18 4	
A 131	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 1318	2		E11-B SHLD A131					.25 NO .25 NO				
A 131W			P1-331 P2-U7					.15 NO .19 NO			7, 18 4	
A 132	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 1328	2		E11-B SHLD A132					.25 NO .25 NO				
A 132W			P1-332 P2-U8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR	SHEET 39 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 133	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 1338	2		E12-B SHLD A133					.25 NO .25 NO				
A 133W			P1-333 P2-V1					.15 NO .19 NO			7, 18 4	
A 134	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 1348	2		E12-B SHLD A134					.25 NO .25 NO				
A 134W			P1-334 P2-V2					.15 NO .19 NO			7, 18 4	
A 135	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 1358	2		E12-B SHLD A135					.25 NO .25 NO				
A 135W			P1-335 P2-V3					.15 NO .19 NO			7, 18 4	
A 136	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 1368	2		E12-B SHLD A136					.25 NO .25 NO				
A 136W			P1-336 P2-V4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR	SHEET 40 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 137	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 1378	2		E12-B SHLD A137					.25 NO .25 NO				
A 137W			P1-337 P2-V5					.15 NO .19 NO			7, 18 4	
A 138	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 1388	2		E12-B SHLD A138					.25 NO .25 NO				
A 138W			P1-338 P2-V6					.15 NO .19 NO			7, 18 4	
A 139	1				7.75 2.75	7.50 2.50				B,7 A,6A	9 8, 9	
A 1398	2		E12-B SHLD A139					.25 NO .25 NO				
A 139W			P1-339 P2-V7					.15 NO .19 NO			7, 18 4	
A 140	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 1408	2		E12-B SHLD A140					.25 NO .25 NO				
A 140W			P1-340 P2-V8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR	SHEET 41 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 141	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 1418	2		E12-B SHLD A141					.25 NO .25 NO				
A 141W			P1-341 P2-W1					.15 NO .19 NO			7, 18 4	
A 142	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 1428	2		F12-B SHLD A142					.25 NO .25 NO				
A 142W			P1-342 P2-W2					.15 NO .19 NO			7, 18 4	
A 143	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 1438	2		E12-B SHLD A143					.25 NO .25 NO				
A 143W			P1-343 P2-W3					.15 NO .19 NO			7, 18 4	
A 144	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 1448	2		E12-B SHLD A144					.25 NO .25 NO				
A 144W			P1-344 P2-W4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR	SHEET 42 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 145	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 145B	2		E13-B SHLD A145					.25 NO .25 NO				
A 145W			P1-345 P2-W5					.15 NO .19 NO			7, 18 4	
A 146	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 146B	2		E13-B SHLD A146					.25 NO .25 NO				
A 146W			P1-346 P2-W6					.15 NO .19 NO			7, 18 4	
A 147	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 147B	2		E13-B SHLD A147					.25 NO .25 NO				
A 147W			P1-347 P2-W7					.15 NO .19 NO			7, 18 4	
A 148	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 148B	2		E13-B SHLD A148					.25 NO .25 NO				
A 148W			P1-348 P2-W8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 43 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 149	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 149B	2		E13-B SHLD A149					.25 NO .25 NO				
A 149W			P1-349 P2-X3					.15 NO .19 NO			7, 18 4	
A 150	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 150B	2		E13-B SHLD A150					.25 NO .25 NO				
A 150W			P1-350 P2-X4					.15 NO .19 NO			7, 18 4	
A 151	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 151B	2		E13-B SHLD A151					.25 NO .25 NO				
A 151W			P1-401 P2-X5					.15 NO .19 NO			7, 18 4	
A 152	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 152B	2		E13-B SHLD A152					.25 NO .25 NO				
A 152W			P1-402 P3-X5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 44 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 153	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 153B	2		E14-B SHLD A153					.25 NO .25 NO				
A 153W			P1-403 P3-A3					.15 NO .19 NO			7, 18 4	
A 154	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 154B	2		E14-B SHLD A154					.25 NO .25 NO				
A 154W			P1-404 P3-A4					.15 NO .19 NO			7, 18 4	
A 155	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 155B	2		E14-B SHLD A155					.25 NO .25 NO				
A 155W			P1-405 P3-A5					.15 NO .19 NO			7, 18 4	
A 156	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 156B	2		E14-B SHLD A156					.25 NO .25 NO				
A 156W			P1-406 P3-A6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 45 OF 85

MIL 208 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 157	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 157B	2		E14-B SHLD A157					.25 NO .25 NO				
A 157W			P1-407 P3-B1					.15 NO .19 NO			7, 18 4	
A 158	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 158B	2		E14-B SHLD A158					.25 NO .25 NO				
A 158W			P1-408 P3-B2					.15 NO .19 NO			7, 18 4	
A 159	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 159B	2		E14-B SHLD A159					.25 NO .25 NO				
A 159W			P1-409 P3-B3					.15 NO .19 NO			7, 18 4	
A 160	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 160B	2		E14-B SHLD A160					.25 NO .25 NO				
A 160W			P1-410 P3-B4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 46 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 161	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 161B	2		E14-B SHLD A161					.25 .25	NO NO			
A 161W			P1-411 P3-B5					.15 .19	NO NO		7, 18 4	
A 162	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 162B	2		E14-B SHLD A162					.25 .25	NO NO			
A 162W			P1-412 P3-B6					.15 .19	NO NO		7, 18 4	
A 163	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 163B	2		E14-B SHLD A163					.25 .25	NO NO			
A 163W			P1-413 P3-B7					.15 .19	NO NO		7, 18 4	
A 164	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 164B	2		E14-B SHLD A164					.25 .25	NO NO			
A 164W			P1-414 P3-B8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059

SCALE-NONE | REV LTR E | SHEET 47 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 165	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 165B	2		E15-B SHLD A165					.25 .25	NO NO			
A 165W			P1-415 P3-C1					.15 .19	NO NO		7, 18 4	
A 166	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 166B	2		E15-B SHLD A166					.25 .25	NO NO			
A 166W			P1-416 P3-C2					.15 .19	NO NO		7, 18 4	
A 167	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 167B	2		E15-B SHLD A167					.25 .25	NO NO			
A 167W			P1-417 P3-C3					.15 .19	NO NO		7, 18 4	
A 168	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 168B	2		E15-B SHLD A168					.25 .25	NO NO			
A 168W			P1-418 P3-C4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059

SCALE-NONE | REV LTR E | SHEET 48 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 169	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 169B	2		E15-B SHLD A169					.25 .25	NO NO			
A 169W			P1-419 P3-C5					.15 .19	NO NO		7, 18 4	
A 170	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 170B	2		E15-B SHLD A170					.25 .25	NO NO			
A 170W			P1-420 P3-C6					.15 .19	NO NO		7, 18 4	
A 171	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 171B	2		E15-B SHLD A171					.25 .25	NO NO			
A 171W			P1-421 P3-C7					.15 .19	NO NO		7, 18 4	
A 172	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 172B	2		E15-B SHLD A172					.25 .25	NO NO			
A 172W			P1-422 P3-C8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059

SCALE-NONE | REV LTR E | SHEET 49 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 173	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 173B	2		E15-B SHLD A173					.25 .25	NO NO			
A 173W			P1-423 P3-D1					.15 .19	NO NO		7, 18 4	
A 174	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 174B	2		E15-B SHLD A174					.25 .25	NO NO			
A 174W			P1-424 P3-D2					.15 .19	NO NO		7, 18 4	
A 175	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 175B	2		E15-B SHLD A175					.25 .25	NO NO			
A 175W			P1-425 P3-D3					.15 .19	NO NO		7, 18 4	
A 176	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 176B	2		E15-B SHLD A176					.25 .25	NO NO			
A 176W			P1-426 P3-D4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059

SCALE-NONE | REV LTR E | SHEET 50 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 177	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 177B	2		E16-B SHLD A177					.25 NO .25 NO				
A 177W			P1-427 P3-D5					.15 NO .19 NO			7, 18 4	
A 178	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 178B	2		E16-B SHLD A178					.25 NO .25 NO				
A 178W			P1-428 P3-D6					.15 NO .19 NO			7, 18 4	
A 179	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 179B	2		E16-B SHLD A179					.25 NO .25 NO				
A 179W			P1-429 P3-D7					.15 NO .19 NO			7, 18 4	
A 180	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 180B	2		E16-B SHLD A180					.25 NO .25 NO				
A 180W			P1-430 P3-D8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 51 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 181	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 181B	2		E16-B SHLD A181					.25 NO .25 NO				
A 181W			P1-431 P3-E1					.15 NO .19 NO			7, 18 4	
A 182	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 182B	2		E16-B SHLD A182					.25 NO .25 NO				
A 182W			P1-432 P3-E2					.15 NO .19 NO			7, 18 4	
A 183	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 183B	2		E16-B SHLD A183					.25 NO .25 NO				
A 183W			P1-433 P3-E3					.15 NO .19 NO			7, 18 4	
A 184	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 184B	2		E16-B SHLD A184					.25 NO .25 NO				
A 184W			P1-434 P3-E4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 52 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 185	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 185B	2		E16-B SHLD A185					.25 .25				
A 185W			P1-435 P3-F5					.15 .19			7, 18 4	
A 186	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 186B	2		E16-B SHLD A186					.25 .25				
A 186W			P1-436 P3-E6					.15 .19			7, 18 4	
A 187	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 187B	2		E16-B SHLD A187					.25 .25				
A 187W			P1-437 P3-E7					.15 .19			7, 18 4	
A 188	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 188B	2		E16-B SHLD A188					.25 .25				
A 188W			P1-438 P3-E8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 53 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 189	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 189B	2		E17-B SHLD A189					.25 .25				
A 189W			P1-439 P3-F1					.15 .19			7, 18 4	
A 190	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 190B	2		E17-B SHLD A190					.25 .25				
A 190W			P1-440 P3-F2					.15 .19			7, 18 4	
A 191	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 191B	2		E17-B SHLD A191					.25 .25				
A 191W			P1-441 P3-F3					.15 .19			7, 18 4	
A 192	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 192B	2		E17-B SHLD A192					.25 .25				
A 192W			P1-442 P3-F4					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 54 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W553 — 2901059 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 193	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 193B	2		E17-8 SHLD A193					.25 NO .25 NO				
A 193W			P1-443 P3-F5					.15 NO .19 NO			7, 18 4	
A 194	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 194B	2		E17-8 SHLD A194					.25 NO .25 NO				
A 194W			P1-444 P3-F6					.15 NO .19 NO			7, 18 4	
A 195	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 195B	2		E17-8 SHLD A195					.25 NO .25 NO				
A 195W			P1-445 P3-F7					.15 NO .19 NO			7, 18 4	
A 196	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 196B	2		E17-6 SHLD A196					.25 NO .25 NO				
A 196W			P1-446 P3-F8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059

SCALE-NONE | REV LTR E | SHEET 55 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W553 — 2901059 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 197	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 197B	2		E17-8 SHLD A197					.25 NO .25 NO				
A 197W			P1-447 P3-G1					.15 NO .19 NO			7, 18 4	
A 198	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 198B	2		E17-8 SHLD A198					.25 NO .25 NO				
A 198W			P1-448 P3-G2					.15 NO .19 NO			7, 18 4	
A 199	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 199B	2		E17-8 SHLD A199					.25 NO .25 NO				
A 199W			P1-449 P3-G3					.15 NO .19 NO			7, 18 4	
A 200	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 200B	2		E17-8 SHLD A200					.25 NO .25 NO				
A 200W			P1-450 P3-G4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059

SCALE-NONE | REV LTR E | SHEET 56 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W553 — 2901059 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 201	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 201B	2		E18-3 SHLD A201					.25 NO .25 NO				
A 201W			P1-501 P3-G5					.15 NO .19 NO			7, 18 4	
A 202	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 202B	2		E18-8 SHLD A202					.25 NO .25 NO				
A 202W			P1-502 P3-G6					.15 NO .19 NO			7, 18 4	
A 203	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 203B	2		E18-8 SHLD A203					.25 NO .25 NO				
A 203W			P1-503 P3-G7					.15 NO .19 NO			7, 18 4	
A 204	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 204B	2		E18-8 SHLD A204					.25 NO .25 NO				
A 204W			P1-504 P3-G8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059

SCALE-NONE | REV LTR E | SHEET 57 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W553 — 2901059 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 205	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 205B	2		E18-8 SHLD A205					.25 NO .25 NO				
A 205W			P1-505 P3-H1					.15 NO .19 NO			7, 18 4	
A 206	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 206B	2		E18-8 SHLD A206					.25 NO .25 NO				
A 206W			P1-506 P3-H2					.15 NO .19 NO			7, 18 4	
A 207	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 207B	2		E18-8 SHLD A207					.25 NO .25 NO				
A 207W			P1-507 P3-H3					.15 NO .19 NO			7, 18 4	
A 208	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 208B	2		E18-8 SHLD A208					.25 NO .25 NO				
A 208W			P1-508 P3-H4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059

SCALE-NONE | REV LTR E | SHEET 58 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 2098	2		E18-B SHLD A209					.25 NO .25 NO				
A 209W			P1-509 P3-H5					.15 NO .19 NO			7, 18 4	
A 210	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 2108	2		E18-B SHLD A210					.25 NO .25 NO				
A 210W			P1-510 P3-H6					.15 NO .19 NO			7, 18 4	
A 211	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 2118	2		E18-B SHLD A211					.25 NO .25 NO				
A 211W			P1-511 P3-H7					.15 NO .19 NO			7, 18 4	
A 212	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 2128	2		E18-B SHLD A212					.25 NO .25 NO				
A 212W			P1-512 P3-H8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 59 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STKIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 213	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 2138	2		E19-B SHLD A213					.25 NO .25 NO				
A 213W			P1-513 P3-J1					.15 NO .19 NO			7, 18 4	
A 214	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 2148	2		E19-B SHLD A214					.25 NO .25 NO				
A 214W			P1-514 P3-J2					.15 NO .19 NO			7, 18 4	
A 215	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 2158	2		E19-B SHLD A215					.25 NO .25 NO				
A 215W			P1-515 P3-J3					.15 NO .19 NO			7, 18 4	
A 216	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 2168	2		E19-B SHLD A216					.25 NO .25 NO				
A 216W			P1-516 P3-J4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 60 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 217	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 2178	2		E19-B SHLD A217					.25 NO .25 NO				
A 217W			P1-517 P3-J5					.15 NO .19 NO			7, 18 4	
A 218	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 2188	2		E19-B SHLD A218					.25 NO .25 NO				
A 218W			P1-518 P3-J6					.15 NO .19 NO			7, 18 4	
A 219	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 2198	2		E19-B SHLD A219					.25 NO .25 NO				
A 219W			P1-519 P3-J7					.15 NO .19 NO			7, 18 4	
A 220	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 2208	2		E19-B SHLD A220					.25 NO .25 NO				
A 220W			P1-520 P3-J8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 61 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 2218	2		E19-B SHLD A221					.25 NO .25 NO				
A 221W			P1-521 P3-K1					.15 NO .19 NO			7, 18 4	
A 222	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 2228	2		E19-B SHLD A222					.25 NO .25 NO				
A 222W			P1-522 P3-K2					.15 NO .19 NO			7, 18 4	
A 223	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 2238	2		E19-B SHLD A223					.25 NO .25 NO				
A 223W			P1-523 P3-K3					.15 NO .19 NO			7, 18 4	
A 224	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 2248	2		E19-B SHLD A224					.25 NO .25 NO				
A 224W			P1-524 P3-K6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 62 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 225	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2258	2		E20-B SHLD A225					.25 NO .25 NO				
A 225W			P1-525 P3-K7					.15 NO .19 NO			7, 18 4	
A 226	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2268	2		E20-B SHLD A226					.25 NO .25 NO				
A 226W			P1-526 P3-K8					.15 NO .19 NO			7, 18 4	
A 227	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2278	2		E20-B SHLD A227					.25 NO .25 NO				
A 227W			P1-527 P3-L1					.15 NO .19 NO			7, 18 4	
A 228	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2288	2		E20-B SHLD A228					.25 NO .25 NO				
A 228W			P1-528 P3-L2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR	SHEET 63 OF 85

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 229	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2298	2		E20-B SHLD A229					.25 NO .25 NO				
A 229W			P1-529 P3-L7					.15 NO .19 NO			7, 18 4	
A 230	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2308	2		E20-B SHLD A230					.25 NO .25 NO				
A 230W			P1-530 P3-L8					.15 NO .19 NO			7, 18 4	
A 231	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2318	2		E20-B SHLD A231					.25 NO .25 NO				
A 231W			P1-531 P3-M1					.15 NO .19 NO			7, 18 4	
A 232	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2328	2		E20-B SHLD A232					.25 NO .25 NO				
A 232W			P1-532 P3-M2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR	SHEET 64 OF 85

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 233	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2338	2		E20-B SHLD A233					.25 NO .25 NO				
A 233W			P1-533 P3-M3					.15 NO .19 NO			7, 18 4	
A 234	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2348	2		E20-B SHLD A234					.25 NO .25 NO				
A 234W			P1-534 P3-M6					.15 NO .19 NO			7, 18 4	
A 235	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2358	2		E20-B SHLD A235					.25 NO .25 NO				
A 235W			P1-535 P3-M7					.15 NO .19 NO			7, 18 4	
A 236	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2368	2		E20-B SHLD A236					.25 NO .25 NO				
A 236W			P1-536 P3-M8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR	SHEET 65 OF 85

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2378	2		E21-B SHLD A237					.25 NO .25 NO				
A 237W			P1-537 P3-N1					.15 NO .19 NO			7, 18 4	
A 238	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2388	2		E21-B SHLD A238					.25 NO .25 NO				
A 238W			P1-538 P3-N2					.15 NO .19 NO			7, 18 4	
A 239	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2398	2		E21-B SHLD A239					.25 NO .25 NO				
A 239W			P1-539 P3-N3					.15 NO .19 NO			7, 18 4	
A 240	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2408	2		E21-B SHLD A240					.25 NO .25 NO				
A 240W			P1-540 P3-N4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR	SHEET 66 OF 85

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 241	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 241B	2		E21-B SHLD A241					.25 NO .25 NO				
A 241W			P1-541 P3-N5					.15 NO .19 NO			7, 18 4	
A 242	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 242B	2		E21-B SHLD A242					.25 NO .25 NO				
A 242W			P1-542 P3-N6					.15 NO .19 NO			7, 18 4	
A 243	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 243B	2		E21-B SHLD A243					.25 NO .25 NO				
A 243W			P1-543 P3-N7					.15 NO .19 NO			7, 18 4	
A 244	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 244B	2		E21-B SHLD A244					.25 NO .25 NO				
A 244W			P1-544 P3-N8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 67 OF 85

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 245	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 245B	2		E21-B SHLD A245					.25 NO .25 NO				
A 245W			P1-545 P3-P1					.15 NO .19 NO			7, 18 4	
A 246	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 246B	2		E21-B SHLD A246					.25 NO .25 NO				
A 246W			P1-546 P3-P2					.15 NO .19 NO			7, 18 4	
A 247	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 247B	2		E21-B SHLD A247					.25 NO .25 NO				
A 247W			P1-547 P3-P3					.15 NO .19 NO			7, 18 4	
A 248	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 248B	2		E21-B SHLD A248					.25 NO .25 NO				
A 248W			P1-548 P3-P4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 68 OF 85

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 249B	2		E22-B SHLD A249					.25 .25				
A 249W			P1-549 P3-P5					.15 .19			7, 18 4	
A 250	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 250B	2		E22-B SHLD A250					.25 .25				
A 250W			P1-550 P3-P6					.15 .19			7, 18 4	
A 251	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 251B	2		E22-B SHLD A251					.25 .25				
A 251W			P1-601 P3-P7					.15 .19			7, 18 4	
A 252	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 252B	2		E22-B SHLD A252					.25 .25				
A 252W			P1-602 P3-P8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 69 OF 85

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 253B	2		E22-B SHLD A253					.25 .25				
A 253W			P1-603 P3-R1					.15 .19			7, 18 4	
A 254	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 254B	2		E22-B SHLD A254					.25 .25				
A 254W			P1-604 P3-R2					.15 .19			7, 18 4	
A 255	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 255B	2		E22-B SHLD A255					.25 .25				
A 255W			P1-605 P3-R3					.15 .19			7, 18 4	
A 256	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 256B	2		E22-B SHLD A256					.25 .25				
A 256W			P1-606 P3-R4					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 70 OF 85

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 257	1				2.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2578	2		E22-B SHLD A257					.25 NO .25 NO				
A 257W			P1-607 P3-R5					.15 NO .19 NO			7, 18 4	
A 258	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2588	2		E22-B SHLD A258					.25 NO .25 NO				
A 258W			P1-608 P3-R6					.15 NO .19 NO			7, 18 4	
A 259	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2598	2		E22-B SHLD A259					.25 NO .25 NO				
A 259W			P1-609 P3-R7					.15 NO .19 NO			7, 18 4	
A 260	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2608	2		E22-B SHLD A260					.25 NO .25 NO				
A 260W			P1-610 P3-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 71 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2618	2		E23-B SHLD A261					.25 NO .25 NO				
A 261W			P1-611 P3-S1					.15 NO .19 NO			7, 18 4	
A 262	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2628	2		E23-B SHLD A262					.25 NO .25 NO				
A 262W			P1-612 P3-S2					.15 NO .19 NO			7, 18 4	
A 263	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2638	2		E23-B SHLD A263					.25 NO .25 NO				
A 263W			P1-613 P3-S3					.15 NO .19 NO			7, 18 4	
A 264	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 2648	2		E23-B SHLD A264					.25 NO .25 NO				
A 264W			P1-614 P3-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 72 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2658	2		E23-B SHLD A265					.25 NO .25 NO				
A 265W			P1-615 P3-S5					.15 NO .19 NO			7, 18 4	
A 266	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2668	2		E23-B SHLD A266					.25 NO .25 NO				
A 266W			P1-616 P3-S6					.15 NO .19 NO			7, 18 4	
A 267	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2678	2		E23-B SHLD A267					.25 NO .25 NO				
A 267W			P1-617 P3-S7					.15 NO .19 NO			7, 18 4	
A 268	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2688	2		E23-B SHLD A268					.25 NO .25 NO				
A 268W			P1-618 P3-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 73 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 269	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2698	2		E23-B SHLD A269					.25 NO .25 NO				
A 269W			P1-619 P3-T1					.15 NO .19 NO			7, 18 4	
A 270	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2708	2		E23-B SHLD A270					.25 NO .25 NO				
A 270W			P1-620 P3-T2					.15 NO .19 NO			7, 18 4	
A 271	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2718	2		E23-B SHLD A271					.25 NO .25 NO				
A 271W			P1-621 P3-T3					.15 NO .19 NO			7, 18 4	
A 272	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 2728	2		E23-B SHLD A272					.25 NO .25 NO				
A 272W			P1-622 P3-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 74 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 273B	2		E24-B SHLD A273					.25 NO .25 NO				
A 273W			P1-623 P3-T5					.15 NO .19 NO			7, 18 4	
A 274	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 274B	2		E24-B SHLD A274					.25 NO .25 NO				
A 274W			P1-624 P3-T6					.15 NO .19 NO			7, 18 4	
A 275	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 275B	2		E24-B SHLD A275					.25 NO .25 NO				
A 275W			P1-625 P3-T7					.15 NO .19 NO			7, 18 4	
A 276	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 276B	2		E24-B SHLD A276					.25 NO .25 NO				
A 276W			P1-626 P3-T8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 75 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 277B	2		E24-B SHLD A277					.25 NO .25 NO				
A 277W			P1-627 P3-U1					.15 NO .19 NO			7, 18 4	
A 278	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 278B	2		E24-B SHLD A278					.25 NO .25 NO				
A 278W			P1-628 P3-U2					.15 NO .19 NO			7, 18 4	
A 279	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 279B	2		E24-B SHLD A279					.25 NO .25 NO				
A 279W			P1-629 P3-U3					.15 NO .19 NO			7, 18 4	
A 280	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 280B	2		E24-B SHLD A280					.25 NO .25 NO				
A 280W			P1-630 P3-U4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 76 OF 65

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 281	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 281B	2		E24-B SHLD A281					.25 NO .25 NO				
A 281W			P1-631 P3-U5					.15 NO .19 NO			7, 18 4	
A 282	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 282B	2		E24-B SHLD A282					.25 NO .25 NO				
A 282W			P1-632 P3-U6					.15 NO .19 NO			7, 18 4	
A 283	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 283B	2		E24-B SHLD A283					.25 NO .25 NO				
A 283W			P1-633 P3-U7					.15 NO .19 NO			7, 18 4	
A 284	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 284B	2		E24-B SHLD A284					.25 NO .25 NO				
A 284W			P1-634 P3-U8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 77 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 285	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 285B	2		E25-B SHLD A285					.25 NO .25 NO				
A 285W			P1-635 P3-V1					.15 NO .19 NO			7, 18 4	
A 286	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 286B	2		E25-B SHLD A286					.25 NO .25 NO				
A 286W			P1-636 P3-V2					.15 NO .19 NO			7, 18 4	
A 287	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 287B	2		E25-B SHLD A287					.25 NO .25 NO				
A 287W			P1-637 P3-V3					.15 NO .19 NO			7, 18 4	
A 288	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 288B	2		E25-B SHLD A288					.25 NO .25 NO				
A 288W			P1-638 P3-V4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 78 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 289	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2898	2		E25-B SHLD A289					.25 NO .25 NO				
A 289W			P1-639 P3-V5					.15 NO .19 NO			7, 18 4	
A 290	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2908	2		E25-B SHLD A290					.25 NO .25 NO				
A 290W			P1-640 P3-V6					.15 NO .19 NO			7, 18 4	
A 291	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2918	2		E25-B SHLD A291					.25 NO .25 NO				
A 291W			P1-641 P3-V7					.15 NO .19 NO			7, 18 4	
A 292	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2928	2		E25-B SHLD A292					.25 NO .25 NO				
A 292W			P1-642 P3-V8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 79 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 293	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2938	2		E25-B SHLD A293					.25 NO .25 NO				
A 293W			P1-643 P3-W1					.15 NO .19 NO			7, 18 4	
A 294	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2948	2		E25-B SHLD A294					.25 NO .25 NO				
A 294W			P1-644 P3-W2					.15 NO .19 NO			7, 18 4	
A 295	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 295B	2		E25-B SHLD A295					.25 NO .25 NO				
A 295W			P1-645 P3-W3					.15 NO .19 NO			7, 18 4	
A 296	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2968	2		E25-B SHLD A296					.25 NO .25 NO				
A 296W			P1-646 P3-W4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 80 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 297	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2978	2		E26-B SHLD A297					.25 NO .25 NO				
A 297W			P1-647 P3-W5					.15 NO .19 NO			7, 18 4	
A 298	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2988	2		E26-B SHLD A298					.25 NO .25 NO				
A 298W			P1-648 P3-W6					.15 NO .19 NO			7, 18 4	
A 299	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2998	2		E26-B SHLD A299					.25 NO .25 NO				
A 299W			P1-649 P3-W7					.15 NO .19 NO			7, 18 4	
A 300	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 3008	2		E26-B SHLD A300					.25 NO .25 NO				
A 300W			P1-650 P3-W8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 81 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 301	6		E1-BB E27-B					.25 NO .25 NO				
A 302	6		E2-BB E27-B					.25 NO .25 NO				
A 303	6		E3-BB E27-B					.25 NO .25 NO				
A 304	6		E4-BB E27-B					.25 NO .25 NO				
A 305	6		E5-BB E27-B					.25 NO .25 NO				
A 306	6		E6-BB E27-B					.25 NO .25 NO				
A 307	6		F7-BB E27-B					.25 NO .25 NO				
A 308	6		E8-BB E27-B					.25 NO .25 NO				
A 309	6		F9-BB E27-B					.25 NO .25 NO				
A 310	6		E10-BB E27-B					.25 NO .25 NO				
A 311	6		E11-BB E27-B					.25 NO .25 NO				
A 312	6		E12-BB E27-B					.25 NO .25 NO				

SIZE	CODE IDENT NO.	2901059
A	99974	
SCALE-NONE	REV LTR E	SHEET 82 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE. FIG	ACCESSORY ITEMS	REMARKS
A 313	6		E13-88					.25	NO			
			E27-B					.25	NO			
A 314	6		E14-88					.25	NO			
			E28-B					.25	NO			
A 315	6		E15-88					.25	NO			
			E28-B					.25	NO			
A 316	6		E16-88					.25	NO			
			E28-B					.25	NO			
A 317	6		E17-88					.25	NO			
			E28-B					.25	NO			
A 318	6		E18-88					.25	NO			
			E28-B					.25	NO			
A 319	6		E19-88					.25	NO			
			E28-B					.25	NO			
A 320	6		E20-88					.25	NO			
			E28-B					.25	NO			
A 321	6		E21-88					.25	NO			
			E28-B					.25	NO			
A 322	6		E22-88					.25	NO			
			E28-B					.25	NO			
A 323	6		E23-88					.25	NO			
			E28-B					.25	NO			
A 324	6		E24-88					.25	NO			
			E28-B					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 83 OF 85

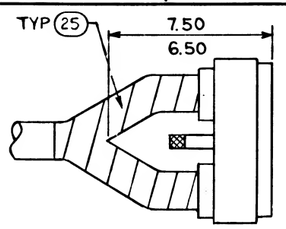
MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE. FIG	ACCESSORY ITEMS	REMARKS
A 325	6		E25-88					.25	NO			
			E28-B					.25	NO			
A 326	6		E26-88					.25	NO			
			E28-B					.25	NO			
A 327	5		E27-88					.25	NO			
			P2-X6					.19	NO		26	
A 328	5		E28-88					.25	NO			
			P3-X6					.19	NO		26	

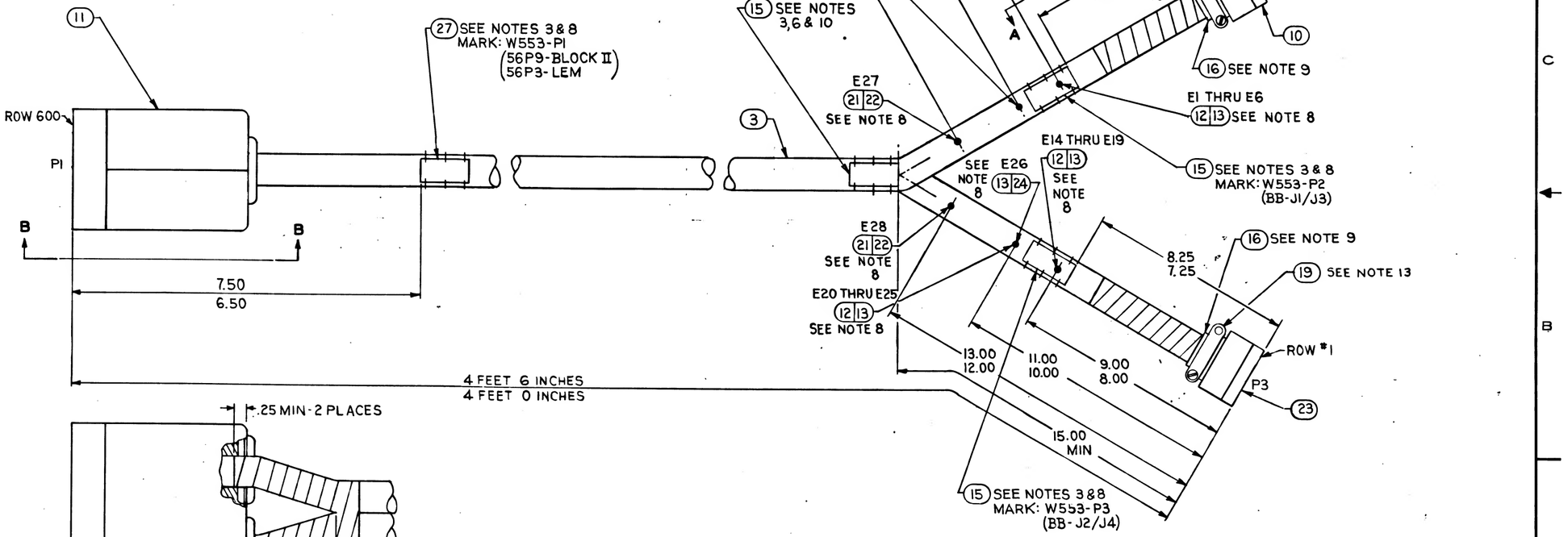
SIZE	CODE IDENT NO.	
A	99974	2901059
SCALE-NONE	REV LTR E	SHEET 84 OF 85

MIL 2084 9-65

REVISIONS THRU 22597				
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REV. RECORD			



PARTIAL VIEW **A - A**
2 PLACES



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± 3 PLACE DECIMALS ± DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
			DRAWN 9-DEC-65 LATE	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W553
			CHECKED	
			APPROVAL 12/13/66	
		DO NOT SCALE THIS DRAWING	CONTRACT NAS 9-497	
NEXT ASSY	USED ON	MATERIAL —	NASA APPROVAL	SIZE D · CODE IDENT NO 99974 · 2901059
APPLICATION		APPROVAL	MIT APPROVAL	SCALE NONE · SHEET 35 OF 85

MIL 1077-A

APPLICATION	
NEXT ASSY	USED ON
2901076-011	2901076-011

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
B	REPLACES REV A WITH CHANGE PER MXC209928	15 MAR 66	A.N.
C	REVISED PER MXC 210280	18 MAR 66	DKD EF
D	REVISED PER MXC 211606	22-APR 66	M.G
E	INITIAL RELEASE CLASS A PER TDRR 28604	2-MAY 66	GM EF

REV																								
SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
REV STATUS OF SHEETS	REV							E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	SHEET							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY
MX116398

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

$PLANE 1 MAR 66 (DRAFTSMAN, DAY MO YR)
CHECKER Jaylor 2 MAR 66
ENGINEER
APPROVAL
CONTR NO. NAS9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W554

SIZE	CODE IDENT. NO	
A	99974	2901060

SCALE NONE — SHEET 1 OF 86

MIL 1377A6 12-65

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	E	80	E														
47	E	81	E														
48	E	82	E														
49	E	83	E														
50	E	84	E														
51	E	85	E														
52	E	86	E														
53	E																
54	E																
55	E																
56	E																
57	E																
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74	E																
75	E																
76	E																
77	E																
78	E																
79	E																

SIZE	CODE IDENT. NO.	
A	99974	2901060

SCALE NONE — REV LTR DE — SHEET 2 OF 86

MIL 1377A3 8-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3 1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	3B 2		E1-B SHLD A3					.25 NO .25 NO				
A	3W		P1-A3 P2-A5					.15 NO .19 NO			7, 18 4	
A	4 1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	4B 2		E1-B SHLD A4					.25 NO .25 NO				
A	4W		P1-A4 P2-A6					.15 NO .19 NO			7, 18 4	
A	5 1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	5B 2		E1-B SHLD A5					.25 NO .25 NO				
A	5W		P1-A5 P2-B1					.15 NO .19 NO			7, 18 4	
A	6 1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	6B 2		E1-B SHLD A6					.25 NO .25 NO				
A	6W		P1-A6 P2-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR NE	SHEET 7 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7 1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	7B 2		E1-B SHLD A7					.25 NO .25 NO				
A	7W		P1-A7 P2-B3					.15 NO .19 NO			7, 18 4	
A	8 1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	8B 2		E1-B SHLD A8					.25 NO .25 NO				
A	8W		P1-A8 P2-B4					.15 NO .19 NO			7, 18 4	
A	9 1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	9B 2		E1-B SHLD A9					.25 NO .25 NO				
A	9W		P1-A9 P2-B5					.15 NO .19 NO			7, 18 4	
A	10 1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	10B 2		E1-B SHLD A10					.25 NO .25 NO				
A	10W		P1-A10 P2-B6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR NE	SHEET 8 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	11 1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	11B 2		E1-B SHLD A11					.25 NO .25 NO				
A	11W		P1-A11 P2-B7					.15 NO .19 NO			7, 18 4	
A	12 1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	12B 2		E1-B SHLD A12					.25 NO .25 NO				
A	12W		P1-A12 P2-B8					.15 NO .19 NO			7, 18 4	
A	13 1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	13B 2		E1-B SHLD A13					.25 NO .25 NO				
A	13W		P1-A13 P2-C1					.15 NO .19 NO			7, 18 4	
A	14 1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	14B 2		E1-B SHLD A14					.25 NO .25 NO				
A	14W		P1-A14 P2-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR NE	SHEET 9 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	15 1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	15B 2		E2-B SHLD A15					.25 NO .25 NO				
A	15W		P1-A15 P2-C3					.15 NO .19 NO			7, 18 4	
A	16 1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	16B 2		E2-B SHLD A16					.25 NO .25 NO				
A	16W		P1-B1 P2-C4					.15 NO .19 NO			7, 18 4	
A	17 1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A	17B 2		E2-B SHLD A17					.25 NO .25 NO				
A	17W		P1-B2 P2-C5					.15 NO .19 NO			7, 18 4	
A	18 1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A	18B 2		E2-B SHLD A18					.25 .25				
A	18W		P1-B3 P2-C6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR NE	SHEET 10 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 NO .25 NO				
A 19W			P1-B4 P2-C7					.15 NO .19 NO			7, 18 4	
A 20	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 NO .25 NO				
A 20W			P1-B5 P2-C8					.15 NO .19 NO			7, 18 4	
A 21	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 21B	2		E2-B SHLD A21					.25 NO .25 NO				
A 21W			P1-B6 P2-D1					.15 NO .19 NO			7, 18 4	
A 22	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 22B	2		E2-B SHLD A22					.25 NO .25 NO				
A 22W			P1-B7 P2-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 11 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 23	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 23B	2		E2-B SHLD A23					.25 NO .25 NO				
A 23W			P1-B8 P2-D3					.15 NO .19 NO			7, 18 4	
A 24	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 24B	2		E2-B SHLD A24					.25 NO .25 NO				
A 24W			P1-B9 P2-D4					.15 NO .19 NO			7, 18 4	
A 25	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 25B	2		E2-B SHLD A25					.25 NO .25 NO				
A 25W			P1-B10 P2-D5					.15 NO .19 NO			7, 18 4	
A 26	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 26B	2		E2-B SHLD A26					.25 NO .25 NO				
A 26W			P1-B11 P2-D6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 12 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 NO .25 NO				
A 27W			P1-B12 P2-D7					.15 NO .19 NO			7, 18 4	
A 28	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 NO .25 NO				
A 28W			P1-B13 P2-D8					.15 NO .19 NO			7, 18 4	
A 29	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 NO .25 NO				
A 29W			P1-B14 P2-E1					.15 NO .19 NO			7, 18 4	
A 30	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 NO .25 NO				
A 30W			P1-B15 P2-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 13 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 31	1				6.75 3.75	6.50 3.50				8,7 A,6A		
A 31B	2		E3-B SHLD A31					.25 NO .25 NO				
A 31W			P1-C1 P2-E3					.15 NO .19 NO			7, 18 4	
A 32	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 32B	2		E3-B SHLD A32					.25 NO .25 NO				
A 32W			P1-C2 P2-E4					.15 NO .19 NO			7, 18 4	
A 33	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 33B	2		E3-B SHLD A33					.25 NO .25 NO				
A 33W			P1-C3 P2-E5					.15 NO .19 NO			7, 18 4	
A 34	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 34B	2		E3-B SHLD A34					.25 NO .25 NO				
A 34W			P1-C4 P2-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 14 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E3-B SHLD A35					.25 NO .25 NO				
A 35W			P1-C5 P2-F7					.15 NO .19 NO			7, 18 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E3-B SHLD A36					.25 NO .25 NO				
A 36W			P1-C6 P2-E6					.15 NO .19 NO			7, 18 4	
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E3-B SHLD A37					.25 NO .25 NO				
A 37W			P1-C7 P2-F1					.15 NO .19 NO			7, 18 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E3-B SHLD A38					.25 NO .25 NO				
A 38W			P1-C8 P2-F2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 15 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 NO .25 NO				
A 39W			P1-C9 P2-F3					.15 NO .19 NO			7, 18 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 NO .25 NO				
A 40W			P1-C10 P2-F4					.15 NO .19 NO			7, 18 4	
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E4-B SHLD A41					.25 NO .25 NO				
A 41W			P1-C11 P2-F5					.15 NO .19 NO			7, 18 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E4-B SHLD A42					.25 NO .25 NO				
A 42W			P1-C12 P2-F6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 16 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E4-B SHLD A43					.25 NO .25 NO				
A 43W			P1-C13 P2-F7					.15 NO .19 NO			7, 18 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B	2		E4-B SHLD A44					.25 NO .25 NO				
A 44W			P1-C14 P2-F8					.15 NO .19 NO			7, 18 4	
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E4-B SHLD A45					.25 NO .25 NO				
A 45W			P1-C15 P2-G1					.15 NO .19 NO			7, 18 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E4-B SHLD A46					.25 NO .25 NO				
A 46W			P1-D1 P2-G2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 17 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E4-B SHLD A47					.25 NO .25 NO				
A 47W			P1-D2 P2-G3					.15 NO .19 NO			7, 18 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E4-B SHLD A48					.25 NO .25 NO				
A 48W			P1-D3 P2-G4					.15 NO .19 NO			7, 18 4	
A 49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 49B	2		E4-B SHLD A49					.25 NO .25 NO				
A 49W			P1-D4 P2-G5					.15 NO .19 NO			7, 18 4	
A 50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 50B	2		E4-B SHLD A50					.25 NO .25 NO				
A 50W			P1-D5 P2-G6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 18 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 51B	2		E5-B SHLD A51					.25 NO .25 NO				
A 51W			P1-D6 P2-G7					.15 NO .19 NO			7, 18 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 52B	2		E5-B SHLD A52					.25 NO .25 NO				
A 52W			P1-D7 P2-G8					.15 NO .19 NO			7, 18 4	
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 53B	2		E5-B SHLD A53					.25 NO .25 NO				
A 53W			P1-D8 P2-H1					.15 NO .19 NO			7, 18 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 54B	2		E5-B SHLD A54					.25 NO .25 NO				
A 54W			P1-D9 P2-H2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060

SCALE-NONE | REV LTR E | SHEET 19 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 55B	2		E5-B SHLD A55					.25 NO .25 NO				
A 55W			P1-D10 P2-H3					.15 NO .19 NO			7, 18 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 56B	2		E5-B SHLD A56					.25 NO .25 NO				
A 56W			P1-D11 P2-H4					.15 NO .19 NO			7, 18 4	
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 57B	2		E5-B SHLD A57					.25 NO .25 NO				
A 57W			P1-D12 P2-H5					.15 NO .19 NO			7, 18 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 58B	2		E5-B SHLD A58					.25 NO .25 NO				
A 58W			P1-D13 P2-H6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060

SCALE-NONE | REV LTR E | SHEET 20 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 59B	2		E5-B SHLD A59					.25 NO .25 NO				
A 59W			P1-D14 P2-H7					.15 NO .19 NO			7, 18 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 60B	2		E5-B SHLD A60					.25 NO .25 NO				
A 60W			P1-D15 P2-H8					.15 NO .19 NO			7, 18 4	
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 61B	2		E5-B SHLD A61					.25 NO .25 NO				
A 61W			P1-F1 P2-J1					.15 NO .19 NO			7, 18 4	
A 62	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 62B	2		E5-B SHLD A62					.25 NO .25 NO				
A 62W			P1-F2 P2-J2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060

SCALE-NONE | REV LTR E | SHEET 21 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 63	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 63B	2		E6-B SHLD A63					.25 NO .25 NO				
A 63W			P1-F3 P2-J3					.15 NO .19 NO			7, 18 4	
A 64	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 64B	2		E6-B SHLD A64					.25 NO .25 NO				
A 64W			P1-F4 P2-J4					.15 NO .19 NO			7, 18 4	
A 65	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 65B	2		E6-B SHLD A65					.25 NO .25 NO				
A 65W			P1-F5 P2-J5					.15 NO .19 NO			7, 18 4	
A 66	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 66B	2		E6-B SHLD A66					.25 NO .25 NO				
A 66W			P1-F6 P2-J6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060

SCALE-NONE | REV LTR E | SHEET 22 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 67	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 678	2		E6-B SHLD A67					.25 NO .25 NO				
A 67W			P1-F7 P2-J7					.15 NO .19 NO			7, 18 4	
A 68	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 688	2		E6-B SHLD A68					.25 NO .25 NO				
A 68W			P1-F8 P2-J8					.15 NO .19 NO			7, 18 4	
A 69	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 698	2		E6-B SHLD A69					.25 NO .25 NO				
A 69W			P1-F9 P2-K1					.15 NO .19 NO			7, 18 4	
A 70	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 708	2		E6-B SHLD A70					.25 NO .25 NO				
A 70W			P1-F10 P2-K2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 23 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 71	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 718	2		E6-B SHLD A71					.25 NO .25 NO				
A 71W			P1-F11 P2-K3					.15 NO .19 NO			7, 18 4	
A 72	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 728	2		E6-B SHLD A72					.25 NO .25 NO				
A 72W			P1-F12 P2-K6					.15 NO .19 NO			7, 18 4	
A 73	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 738	2		E6-B SHLD A73					.25 NO .25 NO				
A 73W			P1-F13 P2-K7					.15 NO .19 NO			7, 18 4	
A 74	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 748	2		E6-B SHLD A74					.25 NO .25 NO				
A 74W			P1-F14 P2-K8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 24 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 75	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 758	2		E7-B SHLD A75					.25 NO .25 NO				
A 75W			P1-F15 P2-L1					.15 NO .19 NO			7, 18 4	
A 76	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 768	2		E7-B SHLD A76					.25 NO .25 NO				
A 76W			P1-G1 P2-L2					.15 NO .19 NO			7, 18 4	
A 77	1				7.75 6.75	7.00 6.00				8,7 A,6A	9 8, 9	
A 778	2		E7-B SHLD A77					.25 NO .25 NO				
A 77W			P1-G2 P2-L7					.15 NO .19 NO			7, 18 4	
A 78	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 788	2		E7-B SHLD A78					.25 NO .25 NO				
A 78W			P1-G3 P2-L8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 25 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 79	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 798	2		E7-B SHLD A79					.25 NO .25 NO				
A 79W			P1-G4 P2-M1					.15 NO .19 NO			7, 18 4	
A 80	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 808	2		E7-B SHLD A80					.25 NO .25 NO				
A 80W			P1-G5 P2-M2					.15 NO .19 NO			7, 18 4	
A 81	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 818	2		E7-B SHLD A81					.25 NO .25 NO				
A 81W			P1-G6 P2-M3					.15 NO .19 NO			7, 18 4	
A 82	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 828	2		E7-B SHLD A82					.25 NO .25 NO				
A 82W			P1-G7 P2-M6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 26 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 117	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 1178	2		E10-B SHLD A117					.25 NO .25 NO				
A 117W			P1-K12 P2-T1					.15 NO .19 NO			7, 18 4	
A 118	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 1188	2		E10-B SHLD A118					.25 NO .25 NO				
A 118W			P1-K13 P2-T2					.15 NO .19 NO			7, 18 4	
A 119	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 1198	2		E10-B SHLD A119					.25 NO .25 NO				
A 119W			P1-K14 P2-T3					.15 NO .19 NO			7, 18 4	
A 120	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 1208	2		E10-B SHLD A120					.25 NO .25 NO				
A 120W			P1-K15 P2-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 35 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 130	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 1308	2		E11-B SHLD A130					.25 NO .25 NO				
A 130W			P1-A25 P2-U6					.15 NO .19 NO			7, 18 4	
A 131	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 1318	2		E11-B SHLD A131					.25 NO .25 NO				
A 131W			P1-B16 P2-U7					.15 NO .19 NO			7, 18 4	
A 132	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1328	2		E11-B SHLD A132					.25 NO .25 NO				
A 132W			P1-B17 P2-U8					.15 NO .19 NO			7, 18 4	
A 133	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1338	2		E11-B SHLD A133					.25 NO .25 NO				
A 133W			P1-B18 P2-V1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 36 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 134	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1348	2		E11-B SHLD A134					.25 NO .25 NO				
A 134W			P1-B19 P2-V2					.15 NO .19 NO			7, 18 4	
A 135	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1358	2		E11-B SHLD A135					.25 NO .25 NO				
A 135W			P1-B20 P2-V3					.15 NO .19 NO			7, 18 4	
A 136	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1368	2		E11-B SHLD A136					.25 NO .25 NO				
A 136W			P1-B21 P2-V4					.15 NO .19 NO			7, 18 4	
A 137	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1378	2		E11-B SHLD A137					.25 NO .25 NO				
A 137W			P1-B22 P2-V5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 37 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1388	2		E11-B SHLD A138					.25 NO .25 NO				
A 138W			P1-B23 P2-V6					.15 NO .19 NO			7, 18 4	
A 139	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1398	2		E11-B SHLD A139					.25 NO .25 NO				
A 139W			P1-B24 P2-V7					.15 NO .19 NO			7, 18 4	
A 140	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 1408	2		E11-B SHLD A140					.25 NO .25 NO				
A 140W			P1-B25 P2-V8					.15 NO .19 NO			7, 18 4	
A 141	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 1418	2		E12-B SHLD A141					.25 NO .25 NO				
A 141W			P1-C16 P2-W1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 38 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 174	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 174B	2		E14-B SHLD A174					.25 NO .25 NO				
A 174W			P1-G19 P3-D2					.15 NO .19 NO			7, 18 4	
A 175	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 175B	2		E14-B SHLD A175					.25 NO .25 NO				
A 175W			P1-G20 P3-D3					.15 NO .19 NO			7, 18 4	
A 176	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 176B	2		E14-B SHLD A176					.25 NO .25 NO				
A 176W			P1-G21 P3-D4					.15 NO .19 NO			7, 18 4	
A 177	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 177B	2		E15-B SHLD A177					.25 NO .25 NO				
A 177W			P1-G22 P3-D5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 47 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 178	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 178B	2		E15-B SHLD A178					.25 NO .25 NO				
A 178W			P1-G23 P3-D6					.15 NO .19 NO			7, 18 4	
A 179	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 179B	2		E15-B SHLD A179					.25 NO .25 NO				
A 179W			P1-G24 P3-D7					.15 NO .19 NO			7, 18 4	
A 180	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 180B	2		E15-B SHLD A180					.25 NO .25 NO				
A 180W			P1-G25 P3-D8					.15 NO .19 NO			7, 18 4	
A 181	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 181B	2		E15-B SHLD A181					.25 NO .25 NO				
A 181W			P1-H16 P3-F1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 48 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 182	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 182B	2		E15-B SHLD A182					.25 NO .25 NO				
A 182W			P1-H17 P3-F2					.15 NO .19 NO			7, 18 4	
A 183	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 183B	2		E15-B SHLD A183					.25 NO .25 NO				
A 183W			P1-H18 P3-F3					.15 NO .19 NO			7, 18 4	
A 184	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 184B	2		E15-B SHLD A184					.25 NO .25 NO				
A 184W			P1-H19 P3-F4					.15 NO .19 NO			7, 18 4	
A 185	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 185B	2		E15-B SHLD A185					.25 NO .25 NO				
A 185W			P1-H20 P3-F5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 49 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 186	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 186B	2		E15-B SHLD A186					.25 NO .25 NO				
A 186W			P1-H21 P3-F6					.15 NO .19 NO			7, 18 4	
A 187	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 187B	2		E15-B SHLD A187					.25 NO .25 NO				
A 187W			P1-H22 P3-F7					.15 NO .19 NO			7, 18 4	
A 188	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 188B	2		E15-B SHLD A188					.25 NO .25 NO				
A 188W			P1-H23 P3-F8					.15 NO .19 NO			7, 18 4	
A 189	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 189B	2		E16-B SHLD A189					.25 NO .25 NO				
A 189W			P1-H24 P3-G1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 50 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 190	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 190B	2		E16-B SHLD A190					.25 NO .25 NO				
A 190W			P1-H25 P3-G2					.15 NO .19 NO			7, 18 4	
A 191	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 191B	2		E16-B SHLD A191					.25 NO .25 NO				
A 191W			P1-K16 P3-G3					.15 NO .19 NO			7, 18 4	
A 192	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 192B	2		E16-B SHLD A192					.25 NO .25 NO				
A 192W			P1-K17 P3-G4					.15 NO .19 NO			7, 18 4	
A 200	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 200B	2		E16-B SHLD A200					.25 NO .25 NO				
A 200W			P1-K25 P3-H4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 51 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 201	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 201B	2		E16-B SHLD A201					.25 NO .25 NO				
A 201W			P1-A26 P3-H5					.15 NO .19 NO			7, 18 4	
A 202	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 202B	2		E16-B SHLD A202					.25 NO .25 NO				
A 202W			P1-A27 P3-H6					.15 NO .19 NO			7, 18 4	
A 203	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 203B	2		E16-B SHLD A203					.25 NO .25 NO				
A 203W			P1-A28 P3-H7					.15 NO .19 NO			7, 18 4	
A 204	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 204B	2		E16-B SHLD A204					.25 NO .25 NO				
A 204W			P1-A29 P3-H8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 52 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 205	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 205B	2		E16-B SHLD A205					.25 NO .25 NO				
A 205W			P1-A30 P3-J1					.15 NO .19 NO			7, 18 4	
A 206	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 206B	2		E16-B SHLD A206					.25 NO .25 NO				
A 206W			P1-A31 P3-J2					.15 NO .19 NO			7, 18 4	
A 207	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 207B	2		E16-B SHLD A207					.25 NO .25 NO				
A 207W			P1-A32 P3-J3					.15 NO .19 NO			7, 18 4	
A 208	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 208B	2		E17-B SHLD A208					.25 NO .25 NO				
A 208W			P1-A33 P3-J4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 53 OF 86

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 209B	2		E17-B SHLD A209					.25 NO .25 NO				
A 209W			P1-A34 P3-J5					.15 NO .19 NO			7, 18 4	
A 210	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 210B	2		E17-B SHLD A210					.25 NO .25 NO				
A 210W			P1-A35 P3-J6					.15 NO .19 NO			7, 18 4	
A 211	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 211B	2		E17-B SHLD A211					.25 NO .25 NO				
A 211W			P1-B26 P3-J7					.15 NO .19 NO			7, 18 4	
A 212	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 212B	2		E17-B SHLD A212					.25 NO .25 NO				
A 212W			P1-B27 P3-J8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 54 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 213	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2138	2		E17-B SHLD A213					.25 NO .25 NO				
A 213W			P1-B28 P3-K1					.15 NO .19 NO			7, 18 4	
A 214	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2148	2		E17-B SHLD A214					.25 NO .25 NO				
A 214W			P1-B29 P3-K2					.15 NO .19 NO			7, 18 4	
A 215	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2158	2		E17-B SHLD A215					.25 NO .25 NO				
A 215W			P1-B30 P3-K3					.15 NO .19 NO			7, 18 4	
A 216	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2168	2		E17-B SHLD A216					.25 NO .25 NO				
A 216W			P1-B31 P3-K6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 55 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 217	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2178	2		E17-B SHLD A217					.25 NO .25 NO				
A 217W			P1-B32 P3-K7					.15 NO .19 NO			7, 18 4	
A 218	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2188	2		E17-B SHLD A218					.25 NO .25 NO				
A 218W			P1-B33 P3-K8					.15 NO .19 NO			7, 18 4	
A 219	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2198	2		E17-B SHLD A219					.25 NO .25 NO				
A 219W			P1-B34 P3-L1					.15 NO .19 NO			7, 18 4	
A 220	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2208	2		E18-B SHLD A220					.25 .25				
A 220W			P1-B35 P3-L2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 56 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2218	2		E18-B SHLD A221					.25 .25				
A 221W			P1-C26 P3-L7					.15 .19			7, 18 4	
A 222	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2228	2		E18-B SHLD A222					.25 .25				
A 222W			P1-C27 P3-L8					.15 .19			7, 18 4	
A 223	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2238	2		E18-B SHLD A223					.25 .25				
A 223W			P1-C28 P3-M1					.15 .19			7, 18 4	
A 224	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2248	2		E18-B SHLD A224					.25 .25				
A 224W			P1-C29 P3-M2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 57 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 225	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2258	2		E18-B SHLD A225					.25 .25				
A 225W			P1-C30 P3-M3					.15 .19			7, 18 4	
A 226	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2268	2		E18-B SHLD A226					.25 .25				
A 226W			P1-C31 P3-M6					.15 .19			7, 18 4	
A 227	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2278	2		E18-B SHLD A227					.25 .25				
A 227W			P1-C32 P3-M7					.15 .19			7, 18 4	
A 228	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2288	2		E18-B SHLD A228					.25 NO .25 NO				
A 228W			P1-C33 P3-M8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 58 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 229	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 229B	2		E18-B SHLD A229					.25 NO .25 NO				
A 229W			P1-C34 P3-N1					.15 NO .19 NO			7, 18 4	
A 230	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 230B	2		E18-B SHLD A230					.25 NO .25 NO				
A 230W			P1-C35 P3-N2					.15 NO .19 NO			7, 18 4	
A 231	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 231B	2		E18-B SHLD A231					.25 NO .25 NO				
A 231W			P1-D26 P3-N3					.15 NO .19 NO			7, 18 4	
A 232	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 232B	2		E19-B SHLD A232					.25 NO .25 NO				
A 232W			P1-D27 P3-N4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 59 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 233	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 233B	2		E19-B SHLD A233					.25 NO .25 NO				
A 233W			P1-D28 P3-N5					.15 NO .19 NO			7, 18 4	
A 234	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 234B	2		E19-B SHLD A234					.25 NO .25 NO				
A 234W			P1-D29 P3-N6					.15 NO .19 NO			7, 18 4	
A 235	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 235B	2		E19-B SHLD A235					.25 NO .25 NO				
A 235W			P1-D30 P3-N7					.15 NO .19 NO			7, 18 4	
A 236	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 236B	2		E19-B SHLD A236					.25 NO .25 NO				
A 236W			P1-D31 P3-N8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 60 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 237B	2		E19-B SHLD A237					.25 NO .25 NO				
A 237W			P1-D32 P3-P1					.15 NO .19 NO			7, 18 4	
A 238	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 238B	2		E19-B SHLD A238					.25 NO .25 NO				
A 238W			P1-D33 P3-P2					.15 NO .19 NO			7, 18 4	
A 239	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 239B	2		E19-B SHLD A239					.25 NO .25 NO				
A 239W			P1-D34 P3-P3					.15 NO .19 NO			7, 18 4	
A 240	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 240B	2		E19-B SHLD A240					.25 NO .25 NO				
A 240W			P1-D35 P3-P4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 61 OF 86

20M4 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 241	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 241B	2		E19-B SHLD A241					.25 NO .25 NO				
A 241W			P1-F26 P3-P5					.15 NO .19 NO			7, 18 4	
A 242	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 242B	2		E19-B SHLD A242					.25 NO .25 NO				
A 242W			P1-F27 P3-P6					.15 NO .19 NO			7, 18 4	
A 243	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 243B	2		E19-B SHLD A243					.25 NO .25 NO				
A 243W			P1-F28 P3-P7					.15 NO .19 NO			7, 18 4	
A 244	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 244B	2		E20-B SHLD A244					.25 NO .25 NO				
A 244W			P1-F29 P3-P8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 62 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 261B	2		E21-B SHLD A261					.25 NO .25 NO				
A 261W			P1-H26 P3-T1					.15 NO .19 NO			7, 18 4	
A 262	1				4.25 4.25	4.00 4.00				6,7 A,6A	9 8, 9	
A 262B	2		E21-B SHLD A262					.25 NO .25 NO				
A 262W			P1-H27 P3-T2					.15 NO .19 NO			7, 18 4	
A 263	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 263B	2		E21-B SHLD A263					.25 NO .25 NO				
A 263W			P1-H28 P3-T3					.15 NO .19 NO			7, 18 4	
A 264	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 264B	2		E21-B SHLD A264					.25 NO .25 NO				
A 264W			P1-H29 P3-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 67 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 265B	2		E21-B SHLD A265					.25 NO .25 NO				
A 265W			P1-H30 P3-T5					.15 NO .19 NO			7, 18 4	
A 266	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 266B	2		E21-B SHLD A266					.25 NO .25 NO				
A 266W			P1-H31 P3-T6					.15 NO .19 NO			7, 18 4	
A 267	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 267B	2		E21-B SHLD A267					.25 NO .25 NO				
A 267W			P1-H32 P3-T7					.15 NO .19 NO			7, 18 4	
A 268	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 268B	2		E22-B SHLD A268					.25 NO .25 NO				
A 268W			P1-H33 P3-T8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 68 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 269	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 269B	2		E22-B SHLD A269					.25 NO .25 NO				
A 269W			P1-H34 P3-U1					.15 NO .19 NO			7, 18 4	
A 270	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 270B	2		E22-B SHLD A270					.25 NO .25 NO				
A 270W			P1-H35 P3-U2					.15 NO .19 NO			7, 18 4	
A 271	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 271B	2		E22-B SHLD A271					.25 NO .25 NO				
A 271W			P1-K26 P3-U3					.15 NO .19 NO			7, 18 4	
A 272	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 272B	2		E22-B SHLD A272					.25 NO .25 NO				
A 272W			P1-K27 P3-U4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 69 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 273B	2		E22-B SHLD A273					.25 NO .25 NO				
A 273W			P1-K28 P3-U5					.15 NO .19 NO			7, 18 4	
A 274	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 274B	2		E22-B SHLD A274					.25 NO .25 NO				
A 274W			P1-K29 P3-U6					.15 NO .19 NO			7, 18 4	
A 275	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 275B	2		E22-B SHLD A275					.25 NO .25 NO				
A 275W			P1-K30 P3-U7					.15 NO .19 NO			7, 18 4	
A 276	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 276B	2		E22-B SHLD A276					.25 NO .25 NO				
A 276W			P1-K31 P3-U8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 70 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2778	2		E22-B SHLD A277					.25 NO .25 NO				
A 277W			P1-K32 P3-V1					.15 NO .19 NO			7, 18 4	
A 278	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2788	2		E22-B SHLD A278					.25 NO .25 NO				
A 278W			P1-K33 P3-V2					.15 NO .19 NO			7, 18 4	
A 279	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2798	2		E22-B SHLD A279					.25 NO .25 NO				
A 279W			P1-K34 P3-V3					.15 NO .19 NO			7, 18 4	
A 280	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2808	2		E23-B SHLD A280					.25 NO .25 NO				
A 280W			P1-K35 P3-V4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 71 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 281	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2818	2		E23-B SHLD A281					.25 NO .25 NO				
A 281W			P1-A36 P3-V5					.15 NO .19 NO			7, 18 4	
A 282	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2828	2		E23-B SHLD A282					.25 NO .25 NO				
A 282W			P1-A37 P3-V6					.15 NO .19 NO			7, 18 4	
A 283	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2838	2		E23-B SHLD A283					.25 NO .25 NO				
A 283W			P1-A38 P3-V7					.15 NO .19 NO			7, 18 4	
A 284	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2848	2		E23-B SHLD A284					.25 .25				
A 284W			P1-A39 P3-V8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 72 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 287	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2878	2		E23-B SHLD A287					.25 .25				
A 287W			P1-B36 P3-W3					.15 .19			7, 18 4	
A 288	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2888	2		E23-B SHLD A288					.25 .25				
A 288W			P1-B37 P3-W4					.15 .19			7, 18 4	
A 289	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2898	2		E23-B SHLD A289					.25 .25				
A 289W			P1-B38 P3-W5					.15 .19			7, 18 4	
A 290	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2908	2		E23-B SHLD A290					.25 .25				
A 290W			P1-B39 P3-W6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 73 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 291	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2918	2		E23-B SHLD A291					.25 .25				
A 291W			P1-B40 P3-W7					.15 .19			7, 18 4	
A 292	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2928	2		E23-B SHLD A292					.25 NO .25 NO				
A 292W			P1-B41 P3-W8					.15 NO .19 NO			7, 18 4	
A 293	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2938	2		E23-B SHLD A293					.25 NO .25 NO				
A 293W			P1-C36 P3-X3					.15 NO .19 NO			7, 18 4	
A 294	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2948	2		E24-B SHLD A294					.25 NO .25 NO				
A 294W			P1-C37 P3-X4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 74 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 295	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 295B	2		E24-B SHLD A295					.25 NO .25 NO				
A 295W			P1-C38 P4-X4					.15 NO .19 NO			7, 18 4	
A 296	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 296B	2		E24-B SHLD A296					.25 NO .25 NO				
A 296W			P1-C39 P4-X5					.15 NO .19 NO			7, 18 4	
A 297	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 297B	2		E24-B SHLD A297					.25 NO .25 NO				
A 297W			P1-C40 P3-E1					.15 NO .19 NO			7, 18 4	
A 298	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 298B	2		E24-B SHLD A298					.25 NO .25 NO				
A 298W			P1-C41 P3-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 75 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 299	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 299B	2		E24-B SHLD A299					.25 NO .25 NO				
A 299W			P1-D36 P3-E3					.15 NO .19 NO			7, 18 4	
A 300	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 300B	2		E24-B SHLD A300					.25 NO .25 NO				
A 300W			P1-D37 P3-E4					.15 NO .19 NO			7, 18 4	
A 301	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 301B	2		E24-B SHLD A301					.25 NO .25 NO				
A 301W			P1-D38 P3-E5					.15 NO .19 NO			7, 18 4	
A 302	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 302B	2		E24-B SHLD A302					.25 NO .25 NO				
A 302W			P1-D39 P3-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 76 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 303	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 303B	2		E24-B SHLD A303					.25 NO .25 NO				
A 303W			P1-D40 P3-E7					.15 NO .19 NO			7, 18 4	
A 304	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 304B	2		E24-B SHLD A304					.25 NO .25 NO				
A 304W			P1-D41 P3-E8					.15 NO .19 NO			7, 18 4	
A 305	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 305B	2		E25-B SHLD A305					.25 NO .25 NO				
A 305W			P1-F36 P4-A3					.15 NO .19 NO			7, 18 4	
A 306	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 306B	2		E25-B SHLD A306					.25 NO .25 NO				
A 306W			P1-F37 P4-A4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 77 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 307	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 307B	2		E25-B SHLD A307					.25 NO .25 NO				
A 307W			P1-F38 P4-A5					.15 NO .19 NO			7, 18 4	
A 308	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 308B	2		E25-B SHLD A308					.25 NO .25 NO				
A 308W			P1-F39 P4-A6					.15 NO .19 NO			7, 18 4	
A 309	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 309B	2		E25-B SHLD A309					.25 NO .25 NO				
A 309W			P1-F40 P4-B1					.15 NO .19 NO			7, 18 4	
A 310	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 310B	2		E25-B SHLD A310					.25 NO .25 NO				
A 310W			P1-F41 P4-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 78 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 311	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 3118	2		E25-B SHLD A311					.25 NO .25 NO				
A 311W			P1-G36 P4-B3					.15 NO .19 NO			7, 18 4	
A 312	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 3128	2		E25-B SHLD A312					.25 NO .25 NO				
A 312W			P1-G37 P4-B4					.15 NO .19 NO			7, 18 4	
A 313	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 3138	2		E25-B SHLD A313					.25 NO .25 NO				
A 313W			P1-G38 P4-B5					.15 NO .19 NO			7, 18 4	
A 314	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 3148	2		E25-B SHLD A314					.25 NO .25 NO				
A 314W			P1-G39 P4-B6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 79 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 315	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 3158	2		E25-B SHLD A315					.25 NO .25 NO				
A 315W			P1-G40 P4-B7					.15 NO .19 NO			7, 18 4	
A 316	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 3168	2		E25-B SHLD A316					.25 NO .25 NO				
A 316W			P1-G41 P4-B8					.15 NO .19 NO			7, 18 4	
A 317	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 3178	2		E25-B SHLD A317					.25 NO .25 NO				
A 317W			P1-H36 P4-C1					.15 NO .19 NO			7, 18 4	
A 318	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 3188	2		E26-B SHLD A318					.25 NO .25 NO				
A 318W			P1-H37 P4-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 80 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 319	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 3198	2		E26-B SHLD A319					.25 NO .25 NO				
A 319W			P1-H38 P4-C3					.15 NO .19 NO			7, 18 4	
A 320	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 3208	2		E26-B SHLD A320					.25 NO .25 NO				
A 320W			P1-H39 P4-C4					.15 NO .19 NO			7, 18 4	
A 321	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 3218	2		E26-B SHLD A321					.25 NO .25 NO				
A 321W			P1-H40 P4-C5					.15 NO .19 NO			7, 18 4	
A 322	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 3228	2		E26-B SHLD A322					.25 NO .25 NO				
A 322W			P1-H41 P4-C6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 81 OF 86

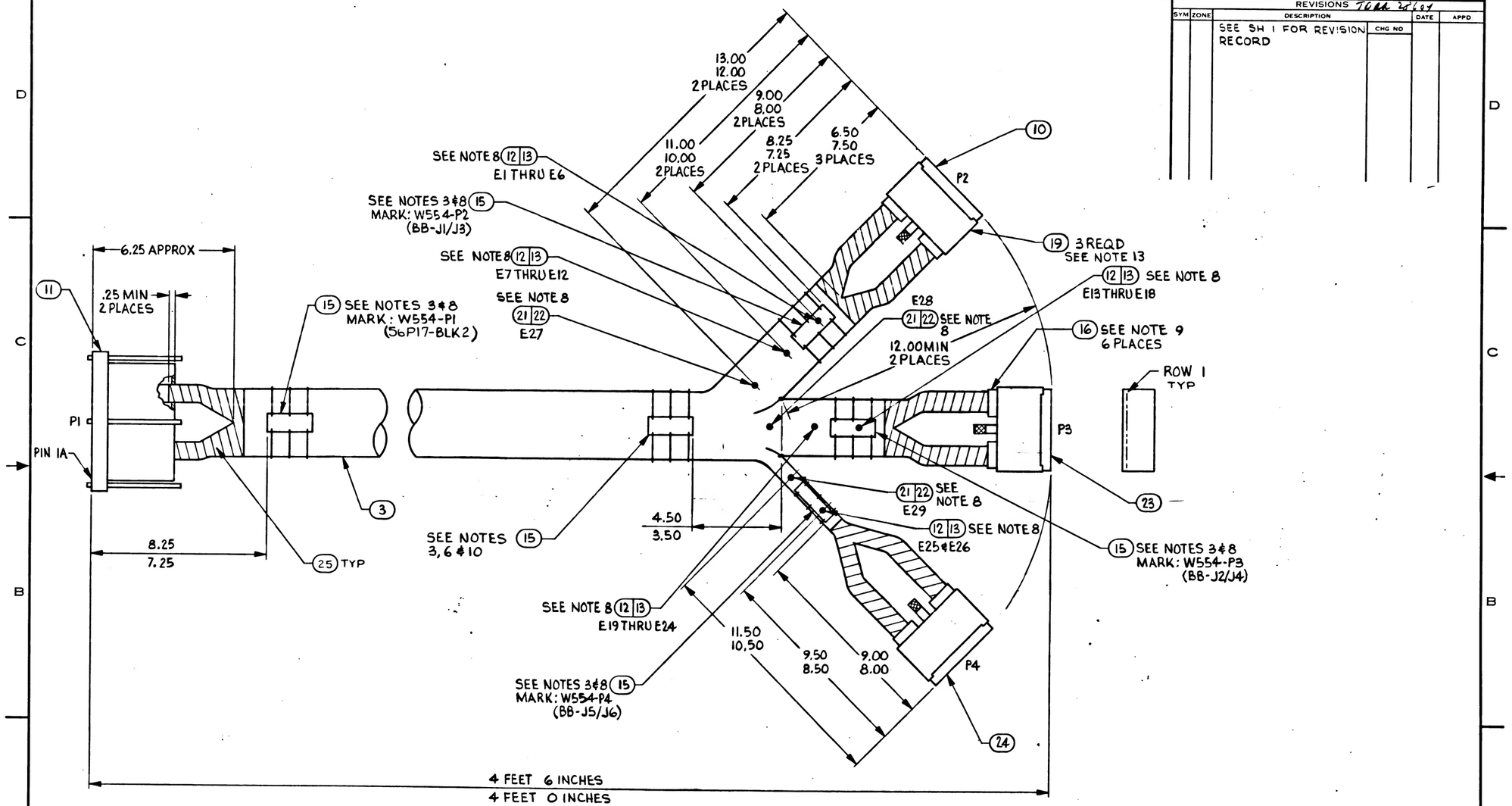
MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 323	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 3238	2		E26-B SHLD A323					.25 NO .25 NO				
A 323W			P1-K36 P4-C7					.15 NO .19 NO			7, 18 4	
A 324	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 3248	2		E26-B SHLD A324					.25 NO .25 NO				
A 324W			P1-K37 P4-C8					.15 NO .19 NO			7, 18 4	
A 325	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 3258	2		E26-B SHLD A325					.25 NO .25 NO				
A 325W			P1-K38 P4-D1					.15 NO .19 NO			7, 18 4	
A 326	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 3268	2		E26-B SHLD A326					.25 NO .25 NO				
A 326W			P1-K39 P4-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 82 OF 86

MIL 2084 9-65

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SH 1 FOR REVISION RECORD			



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± .3 PLACE DECIMALS ± DECIMALS ± ANGLES ± DO NOT SCALE THIS DRAWING	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
		MATERIAL —	DRAWN B PLANE 1 MAR 66 DATE	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W554	
			CHECKED [signature] 2 MAR 66		
			APPROVAL [signature] 3/2/66		
2901076-011	2901076-011		CONTRACT NAS9-479		
NEXT ASSY	USED ON		NASA APPROVAL [signature]	SIZE D	CODE IDENT NO. 99974
APPLICATION		APPROVAL	MIT APPROVAL [signature] 3/2/66	SCALE NONE	SHEET 36 OF 86

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
2901076-011	2901076-011	B	REPLACES REV A WITH CHANGE PER MXC209928	15 MAR 66	A.N.
		C	REVISED PER MXC 210280	18 MAR 66	OHD EF
		D	REVISED PER MXC 211606	22-APR 66	M.G.
		E	INITIAL RELEASE CLASS A PER TDRR 28604	2-MAY 66	GM EF
		F	REVISED PER TDRR 30454	16 AUG 66	GJV JI

REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E	E	E
SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	48	44	45

REV STATUS OF SHEETS																									
REV								F	F	F	E	F	F	E	E	E	E	E	E	E	E	E	E	E	E
SHEET								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY
MX116398

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

$PLANE 1 MAR 66 (DRAFTSMAN DAY MO YR)
CHECKER
ENGINEER
APPROVAL
CONTR NO. NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W554

SIZE	CODE IDENT. NO	
A	99974	2901060

SCALE NONE — SHEET 1 OF 86

MIL 1377A6 12-65

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	E	80	E														
47	E	81	E														
48	E	82	E														
49	E	83	E														
50	E	84	E														
51	E	85	E														
52	E	86	F														
53	E																
54	E																
55	E																
56	E																
57	E																
58	E																
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71	E																
72	E																
73	E																
74	E																
75	F																
76	E																
77	E																
78	E																
79	E																

SIZE	CODE IDENT. NO	
A	99974	2901060

SCALE NONE — REV LTR D E F — SHEET 2 OF 86

MIL 1377A8 8-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	3B	2	E1-B SHLD A3					.25 NO .25 NO				
A	3W		P1-A3 P2-A5					.15 NO .19 NO			7, 18 4	
A	4	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2	E1-B SHLD A4					.25 NO .25 NO				
A	4W		P1-A4 P2-A6					.15 NO .19 NO			7, 18 4	
A	5	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2	E1-B SHLD A5					.25 NO .25 NO				
A	5W		P1-A5 P2-B1					.15 NO .19 NO			7, 18 4	
A	6	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2	E1-B SHLD A6					.25 NO .25 NO				
A	6W		P1-A6 P2-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 7 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2	E1-B SHLD A7					.25 NO .25 NO				
A	7W		P1-A7 P2-B3					.15 NO .19 NO			7, 18 4	
A	8	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2	E1-B SHLD A8					.25 NO .25 NO				
A	8W		P1-A8 P2-B4					.15 NO .19 NO			7, 18 4	
A	9	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2	E1-B SHLD A9					.25 NO .25 NO				
A	9W		P1-A9 P2-B5					.15 NO .19 NO			7, 18 4	
A	10	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2	E1-B SHLD A10					.25 NO .25 NO				
A	10W		P1-A10 P2-B6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 8 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	11	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2	E1-B SHLD A11					.25 NO .25 NO				
A	11W		P1-A11 P2-B7					.15 NO .19 NO			7, 18 4	
A	12	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2	E1-B SHLD A12					.25 NO .25 NO				
A	12W		P1-A12 P2-B8					.15 NO .19 NO			7, 18 4	
A	13	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2	E1-B SHLD A13					.25 NO .25 NO				
A	13W		P1-A13 P2-C1					.15 NO .19 NO			7, 18 4	
A	14	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2	E1-B SHLD A14					.25 NO .25 NO				
A	14W		P1-A14 P2-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 9 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	15	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2	E2-B SHLD A15					.25 NO .25 NO				
A	15W		P1-A15 P2-C3					.15 NO .19 NO			7, 18 4	
A	16	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2	E2-B SHLD A16					.25 NO .25 NO				
A	16W		P1-B1 P2-C4					.15 NO .19 NO			7, 18 4	
A	17	1			6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A	17B	2	E2-B SHLD A17					.25 NO .25 NO				
A	17W		P1-B2 P2-C5					.15 NO .19 NO			7, 18 4	
A	18	1			6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A	18B	2	E2-B SHLD A18					.25 .25				
A	18W		P1-B3 P2-C6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 10 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 NO .25 NO				
A 19W			P1-B4 P2-C7					.15 NO .19 NO			7, 18 4	
A 20	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 NO .25 NO				
A 20W			P1-B5 P2-C8					.15 NO .19 NO			7, 18 4	
A 21	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 21B	2		E2-B SHLD A21					.25 NO .25 NO				
A 21W			P1-B6 P2-D1					.15 NO .19 NO			7, 18 4	
A 22	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 22B	2		E2-B SHLD A22					.25 NO .25 NO				
A 22W			P1-B7 P2-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 11 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 23	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 23B	2		E2-B SHLD A23					.25 NO .25 NO				
A 23W			P1-B8 P2-D3					.15 NO .19 NO			7, 16 4	
A 24	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 24B	2		E2-B SHLD A24					.25 NO .25 NO				
A 24W			P1-B9 P2-D4					.15 NO .19 NO			7, 18 4	
A 25	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 25B	2		E2-B SHLD A25					.25 NO .25 NO				
A 25W			P1-B10 P2-D5					.15 NO .19 NO			7, 16 4	
A 26	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 26B	2		E2-B SHLD A26					.25 NO .25 NO				
A 26W			P1-B11 P2-D6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 12 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 NO .25 NO				
A 27W			P1-B12 P2-D7					.15 NO .19 NO			7, 18 4	
A 28	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 NO .25 NO				
A 28W			P1-B13 P2-D8					.15 NO .19 NO			7, 18 4	
A 29	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 NO .25 NO				
A 29W			P1-B14 P2-E1					.15 NO .19 NO			7, 18 4	
A 30	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 NO .25 NO				
A 30W			P1-B15 P2-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 13 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 31	1				6.75 3.75	6.50 3.50				8,7 A,6A		
A 31B	2		E3-B SHLD A31					.25 NO .25 NO				
A 31W			P1-C1 P2-E3					.15 NO .19 NO			7, 18 4	
A 32	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 32B	2		E3-B SHLD A32					.25 NO .25 NO				
A 32W			P1-C2 P2-E4					.15 NO .19 NO			7, 18 4	
A 33	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 33B	2		E3-B SHLD A33					.25 NO .25 NO				
A 33W			P1-C3 P2-E5					.15 NO .19 NO			7, 18 4	
A 34	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 34B	2		E3-B SHLD A34					.25 NO .25 NO				
A 34W			P1-C4 P2-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 14 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 35	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 35B	2		E3-B					.25	NO			
			SHLD A35					.25	NO			
A 35W			P1-C5					.15	NO		7, 18	
			P2-E7					.19	NO		4	
A 36	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 36B	2		E3-B					.25	NO			
			SHLD A36					.25	NO			
A 36W			P1-C6					.15	NO		7, 18	
			P2-E8					.19	NO		4	
A 37	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 37B	2		E3-B					.25	NO			
			SHLD A37					.25	NO			
A 37W			P1-C7					.15	NO		7, 18	
			P2-F1					.19	NO		4	
A 38	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 38B	2		E3-B					.25	NO			
			SHLD A38					.25	NO			
A 38W			P1-C8					.15	NO		7, 18	
			P2-F2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 15 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 39	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 39B	2		E4-B					.25	NO			
			SHLD A39					.25	NO			
A 39W			P1-C9					.15	NO		7, 18	
			P2-F3					.19	NO		4	
A 40	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 40B	2		E4-B					.25	NO			
			SHLD A40					.25	NO			
A 40W			P1-C10					.15	NO		7, 18	
			P2-F4					.19	NO		4	
A 41	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 41B	2		E4-B					.25	NO			
			SHLD A41					.25	NO			
A 41W			P1-C11					.15	NO		7, 18	
			P2-F5					.19	NO		4	
A 42	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 42B	2		E4-B					.25	NO			
			SHLD A42					.25	NO			
A 42W			P1-C12					.15	NO		7, 18	
			P2-F6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 16 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 43	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 43B	2		E4-B					.25	NO			
			SHLD A43					.25	NO			
A 43W			P1-C13					.15	NO		7, 18	
			P2-F7					.19	NO		4	
A 44	1				4.75	4.00				8,7	9	
					4.75	4.00				A,6A	8, 9	
A 44B	2		E4-B					.25	NO			
			SHLD A44					.25	NO			
A 44W			P1-C14					.15	NO		7, 18	
			P2-F8					.19	NO		4	
A 45	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 45B	2		E4-B					.25	NO			
			SHLD A45					.25	NO			
A 45W			P1-C15					.15	NO		7, 18	
			P2-G1					.19	NO		4	
A 46	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 46B	2		E4-B					.25	NO			
			SHLD A46					.25	NO			
A 46W			P1-D1					.15	NO		7, 18	
			P2-G2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 17 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 47B	2		E4-B					.25	NO			
			SHLD A47					.25	NO			
A 47W			P1-D2					.15	NO		7, 18	
			P2-G3					.19	NO		4	
A 48	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 48B	2		E4-B					.25	NO			
			SHLD A48					.25	NO			
A 48W			P1-D3					.15	NO		7, 18	
			P2-G4					.19	NO		4	
A 49	1				5.25	5.00				8,7	9	
					5.25	5.00				A,6A	8, 9	
A 49B	2		E4-B					.25	NO			
			SHLD A49					.25	NO			
A 49W			P1-D4					.15	NO		7, 18	
			P2-G5					.19	NO		4	
A 50	1				5.25	5.00				8,7	9	
					5.25	5.00				A,6A	8, 9	
A 50B	2		E4-B					.25	NO			
			SHLD A50					.25	NO			
A 50W			P1-D5					.15	NO		7, 18	
			P2-G6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 18 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 518	2		E5-B SHLD A51					.25 NO .25 NO				
A 51W			P1-D6 P2-G7					.15 NO .19 NO			7, 18 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 528	2		E5-B SHLD A52					.25 NO .25 NO				
A 52W			P1-D7 P2-G8					.15 NO .19 NO			7, 18 4	
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 538	2		E5-B SHLD A53					.25 NO .25 NO				
A 53W			P1-D8 P2-H1					.15 NO .19 NO			7, 18 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 548	2		E5-B SHLD A54					.25 NO .25 NO				
A 54W			P1-D9 P2-H2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 19 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 558	2		E5-B SHLD A55					.25 NO .25 NO				
A 55W			P1-D10 P2-H3					.15 NO .19 NO			7, 18 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 568	2		E5-B SHLD A56					.25 NO .25 NO				
A 56W			P1-D11 P2-H4					.15 NO .19 NO			7, 18 4	
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 578	2		E5-B SHLD A57					.25 NO .25 NO				
A 57W			P1-D12 P2-H5					.15 NO .19 NO			7, 18 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 588	2		E5-B SHLD A58					.25 NO .25 NO				
A 58W			P1-D13 P2-H6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 20 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 598	2		E5-B SHLD A59					.25 NO .25 NO				
A 59W			P1-D14 P2-H7					.15 NO .19 NO			7, 18 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 608	2		E5-B SHLD A60					.25 NO .25 NO				
A 60W			P1-D15 P2-H8					.15 NO .19 NO			7, 18 4	
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 618	2		E5-B SHLD A61					.25 NO .25 NO				
A 61W			P1-F1 P2-J1					.15 NO .19 NO			7, 18 4	
A 62	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 628	2		E5-B SHLD A62					.25 NO .25 NO				
A 62W			P1-F2 P2-J2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 21 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 63	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 638	2		E6-B SHLD A63					.25 NO .25 NO				
A 63W			P1-F3 P2-J3					.15 NO .19 NO			7, 18 4	
A 64	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 648	2		E6-B SHLD A64					.25 NO .25 NO				
A 64W			P1-F4 P2-J4					.15 NO .19 NO			7, 18 4	
A 65	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 658	2		E6-B SHLD A65					.25 NO .25 NO				
A 65W			P1-F5 P2-J5					.15 NO .19 NO			7, 18 4	
A 66	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 668	2		E6-B SHLD A66					.25 NO .25 NO				
A 66W			P1-F6 P2-J6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 22 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 67	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 67B	2		E6-B SHLD A67					.25 NO .25 NO				
A 67W			P1-F7 P2-J7					.15 NO .19 NO			7, 18 4	
A 68	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 68B	2		E6-B SHLD A68					.25 NO .25 NO				
A 68W			P1-F8 P2-J8					.15 NO .19 NO			7, 18 4	
A 69	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 69B	2		E6-B SHLD A69					.25 NO .25 NO				
A 69W			P1-F9 P2-K1					.15 NO .19 NO			7, 18 4	
A 70	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 70B	2		E6-B SHLD A70					.25 NO .25 NO				
A 70W			P1-F10 P2-K2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR AE	SHEET 23 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 71	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 71B	2		E6-B SHLD A71					.25 NO .25 NO				
A 71W			P1-F11 P2-K3					.15 NO .19 NO			7, 18 4	
A 72	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 72B	2		E6-B SHLD A72					.25 NO .25 NO				
A 72W			P1-F12 P2-K6					.15 NO .19 NO			7, 18 4	
A 73	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 73B	2		E6-B SHLD A73					.25 NO .25 NO				
A 73W			P1-F13 P2-K7					.15 NO .19 NO			7, 18 4	
A 74	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 74B	2		E6-B SHLD A74					.25 NO .25 NO				
A 74W			P1-F14 P2-K8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR AE	SHEET 24 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 75	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 75B	2		E7-B SHLD A75					.25 NO .25 NO				
A 75W			P1-F15 P2-L1					.15 NO .19 NO			7, 18 4	
A 76	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 76B	2		E7-B SHLD A76					.25 NO .25 NO				
A 76W			P1-G1 P2-L2					.15 NO .19 NO			7, 18 4	
A 77	1				7.75 6.75	7.00 6.00				8,7 A,6A	9 8, 9	
A 77B	2		E7-B SHLD A77					.25 NO .25 NO				
A 77W			P1-G2 P2-L7					.15 NO .19 NO			7, 18 4	
A 78	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 78B	2		E7-B SHLD A78					.25 NO .25 NO				
A 78W			P1-G3 P2-L8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR AE	SHEET 25 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 79	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 79B	2		E7-B SHLD A79					.25 NO .25 NO				
A 79W			P1-G4 P2-M1					.15 NO .19 NO			7, 18 4	
A 80	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 80B	2		E7-B SHLD A80					.25 NO .25 NO				
A 80W			P1-G5 P2-M2					.15 NO .19 NO			7, 18 4	
A 81	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 81B	2		E7-B SHLD A81					.25 NO .25 NO				
A 81W			P1-G6 P2-M3					.15 NO .19 NO			7, 18 4	
A 82	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 82B	2		E7-B SHLD A82					.25 NO .25 NO				
A 82W			P1-G7 P2-M6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR AE	SHEET 26 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 83	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 838	2		E7-B SHLD A83					.25 .25	NO NO			
A 83W			P1-G8 P2-M7					.15 .19	NO NO		7, 18 4	
A 84	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 848	2		E7-B SHLD A84					.25 .25	NO NO			
A 84W			P1-G9 P2-M8					.15 .19	NO NO		7, 18 4	
A 85	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 858	2		E7-B SHLD A85					.25 .25	NO NO			
A 85W			P1-G10 P2-N1					.15 .19	NO NO		7, 18 4	
A 86	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 868	2		E7-B SHLD A86					.25 .25	NO NO			
A 86W			P1-G11 P2-N2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 27 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 878	2		E8-B SHLD A87					.25 .25	NO NO			
A 87W			P1-G12 P2-N3					.15 .19	NO NO		7, 18 4	
A 88	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 888	2		E8-B SHLD A88					.25 .25	NO NO			
A 88W			P1-G13 P2-N4					.15 .19	NO NO		7, 18 4	
A 89	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 898	2		E8-B SHLD A89					.25 .25	NO NO			
A 89W			P1-G14 P2-N5					.15 .19	NO NO		7, 18 4	
A 90	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 908	2		E8-B SHLD A90					.25 .25	NO NO			
A 90W			P1-G15 P2-N6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 28 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 918	2		E8-B SHLD A91					.25 .25	NO NO			
A 91W			P1-H1 P2-N7					.15 .19	NO NO		7, 18 4	
A 92	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 928	2		E8-B SHLD A92					.25 .25	NO NO			
A 92W			P1-H2 P2-N8					.15 .19	NO NO		7, 18 4	
A 93	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 938	2		E8-B SHLD A93					.25 .25	NO NO			
A 93W			P1-H3 P2-P1					.15 .19	NO NO		7, 18 4	
A 94	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 948	2		E8-B SHLD A94					.25 .25	NO NO			
A 94W			P1-H4 P2-P2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 29 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 958	2		E8-B SHLD A95					.25 .25	NO NO			
A 95W			P1-H5 P2-P3					.15 .19	NO NO		7, 18 4	
A 96	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 968	2		E8-B SHLD A96					.25 .25	NO NO			
A 96W			P1-H6 P2-P4					.15 .19	NO NO		7, 18 4	
A 97	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 978	2		E8-B SHLD A97					.25 .25	NO NO			
A 97W			P1-H7 P2-P5					.15 .19	NO NO		7, 18 4	
A 98	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 988	2		E8-B SHLD A98					.25 .25	NO NO			
A 98W			P1-H8 P2-P6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 30 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 142	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 142B	2		E12-B SHLD A142					.25 .25	NO NO			
A 142W			P1-C17 P2-W2					.15 .19	NO NO		7, 18 4	
A 143	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 143B	2		E12-B SHLD A143					.25 .25	NO NO			
A 143W			P1-C18 P2-W3					.15 .19	NO NO		7, 18 4	
A 144	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 144B	2		E12-B SHLD A144					.25 .25	NO NO			
A 144W			P1-C19 P2-W4					.15 .19	NO NO		7, 18 4	
A 145	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 145B	2		E12-B SHLD A145					.25 .25	NO NO			
A 145W			P1-C20 P2-W5					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 39 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 146	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 146B	2		E12-B SHLD A146					.25 .25	NO NO			
A 146W			P1-C21 P2-W6					.15 .19	NO NO		7, 18 4	
A 147	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 147B	2		E12-B SHLD A147					.25 .25	NO NO			
A 147W			P1-C22 P2-W7					.15 .19	NO NO		7, 18 4	
A 148	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 148B	2		E12-B SHLD A149					.25 .25	NO NO			
A 148W			P1-C23 P2-W8					.15 .19	NO NO		7, 18 4	
A 149	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 149B	2		E12-B SHLD A149					.25 .25	NO NO			
A 149W			P1-C24 P2-X3					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 40 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 150B	2		E12-B SHLD A150					.25 .25	NO NO			
A 150W			P1-C25 P2-X4					.15 .19	NO NO		7, 18 4	
A 151	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 151B	2		E12-B SHLD A151					.25 .25	NO NO			
A 151W			P1-D16 P2-X5					.15 .19	NO NO		7, 18 4	
A 152	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 152B	2		E24-B SHLD A152					.25 .25	NO NO			
A 152W			P1-D17 P3-X5					.15 .19	NO NO		7, 18 4	
A 153	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 153B	2		E13-B SHLD A153					.25 .25	NO NO			
A 153W			P1-D18 P3-A3					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR F	SHEET 41 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 154	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 154B	2		E13-B SHLD A154					.25 .25	NO NO			
A 154W			P1-D19 P3-A4					.15 .19	NO NO		7, 18 4	
A 155	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 155B	2		E13-B SHLD A155					.25 .25	NO NO			
A 155W			P1-D20 P3-A5					.15 .19	NO NO		7, 18 4	
A 156	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 156B	2		E13-B SHLD A156					.25 .25				
A 156W			P1-D21 P3-A6					.15 .19			7, 18 4	
A 157	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 157B	2		E13-B SHLD A157					.25 .25				
A 157W			P1-D22 P3-B1					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 42 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 158	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 158B	2		E13-B SHLD A158					.25 .25				
A 158W			P1-D23 P3-B2					.15 .19			7, 18 4	
A 159	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 159B	2		E13-B SHLD A159					.25 .25				
A 159W			P1-D24 P3-B3					.15 .19			7, 18 4	
A 160	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 160B	2		E13-B SHLD A160					.25 .25				
A 160W			P1-D25 P3-B4					.15 .19			7, 18 4	
A 161	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 161B	2		E13-B SHLD A161					.25 .25				
A 161W			P1-F16 P3-B5					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 43 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 162B	2		E13-B SHLD A162					.25 .25				
A 162W			P1-F17 P3-B6					.15 .19			7, 18 4	
A 163	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 163B	2		E13-B SHLD A163					.25 .25				
A 163W			P1-F18 P3-B7					.15 .19			7, 18 4	
A 164	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 164B	2		E13-B SHLD A164					.25 NO .25 NO				
A 164W			P1-F19 P3-B8					.15 NO .19 NO			7, 18 4	
A 165	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 165B	2		E14-B SHLD A165					.25 NO .25 NO				
A 165W			P1-F20 P3-C1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 44 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 166	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 166B	2		E14-B SHLD A166					.25 NO .25 NO				
A 166W			P1-F21 P3-C2					.15 NO .19 NO			7, 18 4	
A 167	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 167B	2		E14-B SHLD A167					.25 NO .25 NO				
A 167W			P1-F22 P3-C3					.15 NO .19 NO			7, 18 4	
A 168	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 168B	2		E14-B SHLD A168					.25 NO .25 NO				
A 168W			P1-F23 P3-C4					.15 NO .19 NO			7, 18 4	
A 169	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 169B	2		E14-B SHLD A169					.25 NO .25 NO				
A 169W			P1-F24 P3-C5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 45 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 170	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 170B	2		E14-B SHLD A170					.25 NO .25 NO				
A 170W			P1-F25 P3-C6					.15 NO .19 NO			7, 18 4	
A 171	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 171B	2		E14-B SHLD A171					.25 NO .25 NO				
A 171W			P1-G16 P3-C7					.15 NO .19 NO			7, 18 4	
A 172	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 172B	2		E14-B SHLD A172					.25 NO .25 NO				
A 172W			P1-G17 P3-C8					.15 NO .19 NO			7, 18 4	
A 173	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 173B	2		E14-B SHLD A173					.25 NO .25 NO				
A 173W			P1-G18 P3-D1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 46 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 174	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 174B	2		E14-B SHLD A174					.25 .25	NO NO			
A 174W			P1-G19 P3-D2					.15 .19	NO NO		7, 18 4	
A 175	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 175B	2		E14-B SHLD A175					.25 .25	NO NO			
A 175W			P1-G20 P3-D3					.15 .19	NO NO		7, 18 4	
A 176	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 176B	2		E14-B SHLD A176					.25 .25	NO NO			
A 176W			P1-G21 P3-D4					.15 .19	NO NO		7, 18 4	
A 177	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 177B	2		E15-B SHLD A177					.25 .25	NO NO			
A 177W			P1-G22 P3-D5					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 47 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 178	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 178B	2		E15-B SHLD A178					.25 .25	NO NO			
A 178W			P1-G23 P3-D6					.15 .19	NO NO		7, 18 4	
A 179	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 179B	2		E15-B SHLD A179					.25 .25	NO NO			
A 179W			P1-G24 P3-D7					.15 .19	NO NO		7, 18 4	
A 180	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 180B	2		E15-B SHLD A180					.25 .25	NO NO			
A 180W			P1-G25 P3-D8					.15 .19	NO NO		7, 18 4	
A 181	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 181B	2		E15-B SHLD A181					.25 .25	NO NO			
A 181W			P1-H16 P3-F1					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 48 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 182	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 182B	2		E15-B SHLD A182					.25 .25	NO NO			
A 182W			P1-H17 P3-F2					.15 .19	NO NO		7, 18 4	
A 183	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 183B	2		E15-B SHLD A183					.25 .25	NO NO			
A 183W			P1-H18 P3-F3					.15 .19	NO NO		7, 18 4	
A 184	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 184B	2		E15-B SHLD A184					.25 .25	NO NO			
A 184W			P1-H19 P3-F4					.15 .19	NO NO		7, 18 4	
A 185	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 185B	2		E15-B SHLD A185					.25 .25	NO NO			
A 185W			P1-H20 P3-F5					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 49 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 186	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 186B	2		E15-B SHLD A186					.25 .25	NO NO			
A 186W			P1-H21 P3-F6					.15 .19	NO NO		7, 18 4	
A 187	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 187B	2		E15-B SHLD A187					.25 .25	NO NO			
A 187W			P1-H22 P3-F7					.15 .19	NO NO		7, 18 4	
A 188	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 188B	2		E15-B SHLD A188					.25 .25	NO NO			
A 188W			P1-H23 P3-F8					.15 .19	NO NO		7, 18 4	
A 189	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 189B	2		E16-B SHLD A189					.25 .25	NO NO			
A 189W			P1-H24 P3-G1					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 50 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 229	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 229B	2		E18-B SHLD A229					.25 .25	NO NO			
A 229W			P1-C34 P3-N1					.15 .19	NO NO		7, 18 4	
A 230	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 230B	2		E18-B SHLD A230					.25 .25	NO NO			
A 230W			P1-C35 P3-N2					.15 .19	NO NO		7, 18 4	
A 231	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 231B	2		E18-B SHLD A231					.25 .25	NO NO			
A 231W			P1-D26 P3-N3					.15 .19	NO NO		7, 18 4	
A 232	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 232B	2		E19-B SHLD A232					.25 .25	NO NO			
A 232W			P1-D27 P3-N4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 59 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 233	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 233B	2		E19-B SHLD A233					.25 .25	NO NO			
A 233W			P1-D28 P3-N5					.15 .19	NO NO		7, 18 4	
A 234	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 234B	2		E19-B SHLD A234					.25 .25	NO NO			
A 234W			P1-D29 P3-N6					.15 .19	NO NO		7, 18 4	
A 235	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 235B	2		E19-B SHLD A235					.25 .25	NO NO			
A 235W			P1-D30 P3-N7					.15 .19	NO NO		7, 18 4	
A 236	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 236B	2		E19-B SHLD A236					.25 .25	NO NO			
A 236W			P1-D31 P3-N8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 60 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 237B	2		E19-B SHLD A237					.25 .25	NO NO			
A 237W			P1-D32 P3-P1					.15 .19	NO NO		7, 18 4	
A 238	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 238B	2		E19-B SHLD A238					.25 .25	NO NO			
A 238W			P1-D33 P3-P2					.15 .19	NO NO		7, 18 4	
A 239	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 239B	2		E19-B SHLD A239					.25 .25	NO NO			
A 239W			P1-D34 P3-P3					.15 .19	NO NO		7, 18 4	
A 240	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 240B	2		E19-B SHLD A240					.25 .25	NO NO			
A 240W			P1-D35 P3-P4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 61 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 241	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 241B	2		E19-B SHLD A241					.25 .25	NO NO			
A 241W			P1-F26 P3-P5					.15 .19	NO NO		7, 18 4	
A 242	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 242B	2		E19-B SHLD A242					.25 .25	NO NO			
A 242W			P1-F27 P3-P6					.15 .19	NO NO		7, 18 4	
A 243	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 243B	2		E19-B SHLD A243					.25 .25	NO NO			
A 243W			P1-F28 P3-P7					.15 .19	NO NO		7, 18 4	
A 244	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 244B	2		E20-B SHLD A244					.25 .25	NO NO			
A 244W			P1-F29 P3-P8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 62 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 245	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 245B	2		E20-B SHLD A245					.25 NO .25 NO				
A 245W			P1-F30 P3-R1					.15 NO .19 NO			7, 18 4	
A 246	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 246B	2		E20-B SHLD A246					.25 NO .25 NO				
A 246W			P1-F31 P3-R2					.15 NO .19 NO			7, 18 4	
A 247	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 247B	2		E20-B SHLD A247					.25 NO .25 NO				
A 247W			P1-F32 P3-R3					.15 NO .19 NO			7, 18 4	
A 248	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 248B	2		E20-B SHLD A248					.25 NO .25 NO				
A 248W			P1-F33 P3-R4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 63 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 249B	2		E20-B SHLD A249					.25 NO .25 NO				
A 249W			P1-F34 P3-R5					.15 NO .19 NO			7, 18 4	
A 250	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 250B	2		E20-B SHLD A250					.25 NO .25 NO				
A 250W			P1-F35 P3-R6					.15 NO .19 NO			7, 18 4	
A 251	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 251B	2		E20-B SHLD A251					.25 NO .25 NO				
A 251W			P1-G26 P3-R7					.15 NO .19 NO			7, 18 4	
A 252	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 252B	2		E20-B SHLD A252					.25 NO .25 NO				
A 252W			P1-G27 P3-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 64 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 253B	2		E20-B SHLD A253					.25 NO .25 NO				
A 253W			P1-G28 P3-S1					.15 NO .19 NO			7, 18 4	
A 254	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 254B	2		E20-B SHLD A254					.25 NO .25 NO				
A 254W			P1-G29 P3-S2					.15 NO .19 NO			7, 18 4	
A 255	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 255B	2		E20-B SHLD A255					.25 NO .25 NO				
A 255W			P1-G30 P3-S3					.15 NO .19 NO			7, 18 4	
A 256	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 256B	2		E21-B SHLD A256					.25 NO .25 NO				
A 256W			P1-G31 P3-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 65 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 257	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 257B	2		E21-B SHLD A257					.25 NO .25 NO				
A 257W			P1-G32 P3-S5					.15 NO .19 NO			7, 18 4	
A 258	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 258B	2		E21-B SHLD A258					.25 NO .25 NO				
A 258W			P1-G33 P3-S6					.15 NO .19 NO			7, 18 4	
A 259	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 259B	2		E21-B SHLD A259					.25 NO .25 NO				
A 259W			P1-G34 P3-S7					.15 NO .19 NO			7, 18 4	
A 260	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 260B	2		E21-B SHLD A260					.25 NO .25 NO				
A 260W			P1-G35 P3-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 66 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 261B	2		E21-B SHLD A261					.25 .25	NO NO			
A 261W			P1-H26 P3-T1					.15 .19	NO NO		7, 18 4	
A 262	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 262B	2		E21-B SHLD A262					.25 .25	NO NO			
A 262W			P1-H27 P3-T2					.15 .19	NO NO		7, 18 4	
A 263	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 263B	2		E21-B SHLD A263					.25 .25	NO NO			
A 263W			P1-H28 P3-T3					.15 .19	NO NO		7, 18 4	
A 264	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 264B	2		E21-B SHLD A264					.25 .25	NO NO			
A 264W			P1-H29 P3-T4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 67 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 265B	2		E21-B SHLD A265					.25 .25	NO NO			
A 265W			P1-H30 P3-T5					.15 .19	NO NO		7, 18 4	
A 266	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 266B	2		E21-B SHLD A266					.25 .25	NO NO			
A 266W			P1-H31 P3-T6					.15 .19	NO NO		7, 18 4	
A 267	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 267B	2		E21-B SHLD A267					.25 .25	NO NO			
A 267W			P1-H32 P3-T7					.15 .19	NO NO		7, 18 4	
A 268	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 268B	2		E22-B SHLD A268					.25 .25	NO NO			
A 268W			P1-H33 P3-T8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 68 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 269	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 269B	2		E22-B SHLD A269					.25 .25	NO NO			
A 269W			P1-H34 P3-U1					.15 .19	NO NO		7, 18 4	
A 270	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 270B	2		E22-B SHLD A270					.25 .25	NO NO			
A 270W			P1-H35 P3-U2					.15 .19	NO NO		7, 18 4	
A 271	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 271B	2		E22-B SHLD A271					.25 .25	NO NO			
A 271W			P1-K26 P3-U3					.15 .19	NO NO		7, 18 4	
A 272	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 272B	2		E22-B SHLD A272					.25 .25	NO NO			
A 272W			P1-K27 P3-U4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 69 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 273B	2		E22-B SHLD A273					.25 .25	NO NO			
A 273W			P1-K28 P3-U5					.15 .19	NO NO		7, 18 4	
A 274	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 274B	2		E22-B SHLD A274					.25 .25	NO NO			
A 274W			P1-K29 P3-U6					.15 .19	NO NO		7, 18 4	
A 275	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 275B	2		E22-B SHLD A275					.25 .25	NO NO			
A 275W			P1-K30 P3-U7					.15 .19	NO NO		7, 18 4	
A 276	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 276B	2		E22-B SHLD A276					.25 .25	NO NO			
A 276W			P1-K31 P3-U8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 70 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 295	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 295B	2		E26-B SHLD A295					.25 NO .25 NO				
A 295W			P1-C38 P4-X4					.15 NO .19 NO			7, 18 4	
A 296	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 296B	2		E26-B SHLD A296					.25 NO .25 NO				
A 296W			P1-C39 P4-X5					.15 NO .19 NO			7, 18 4	
A 297	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 297B	2		E24-B SHLD A297					.25 NO .25 NO				
A 297W			P1-C40 P3-E1					.15 NO .19 NO			7, 18 4	
A 298	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 298B	2		E24-B SHLD A298					.25 NO .25 NO				
A 298W			P1-C41 P3-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR F	SHEET 75 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 299	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 299B	2		E24-B SHLD A299					.25 NO .25 NO				
A 299W			P1-D36 P3-E3					.15 NO .19 NO			7, 18 4	
A 300	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 300B	2		E24-B SHLD A300					.25 NO .25 NO				
A 300W			P1-D37 P3-E4					.15 NO .19 NO			7, 18 4	
A 301	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 301B	2		E24-B SHLD A301					.25 NO .25 NO				
A 301W			P1-D38 P3-E5					.15 NO .19 NO			7, 18 4	
A 302	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 302B	2		E24-B SHLD A302					.25 NO .25 NO				
A 302W			P1-D39 P3-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 76 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 303	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 303B	2		E24-B SHLD A303					.25 NO .25 NO				
A 303W			P1-D40 P3-E7					.15 NO .19 NO			7, 18 4	
A 304	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 304B	2		E24-B SHLD A304					.25 NO .25 NO				
A 304W			P1-D41 P3-E8					.15 NO .19 NO			7, 18 4	
A 305	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 305B	2		E25-B SHLD A305					.25 NO .25 NO				
A 305W			P1-F36 P4-A3					.15 NO .19 NO			7, 18 4	
A 306	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 306B	2		E25-B SHLD A306					.25 NO .25 NO				
A 306W			P1-F37 P4-A4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 77 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 307	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 307B	2		E25-B SHLD A307					.25 NO .25 NO				
A 307W			P1-F38 P4-A5					.15 NO .19 NO			7, 18 4	
A 308	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 308B	2		E25-B SHLD A308					.25 NO .25 NO				
A 308W			P1-F39 P4-A6					.15 NO .19 NO			7, 18 4	
A 309	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 309B	2		E25-B SHLD A309					.25 NO .25 NO				
A 309W			P1-F40 P4-B1					.15 NO .19 NO			7, 18 4	
A 310	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 310B	2		E25-B SHLD A310					.25 NO .25 NO				
A 310W			P1-F41 P4-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 78 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 311	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3118	2		E25-B SHLD A311					.25 .25	NO NO			
A 311W			P1-G36 P4-B3					.15 .19	NO NO		7, 18 4	
A 312	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3128	2		E25-B SHLD A312					.25 .25	NO NO			
A 312W			P1-G37 P4-B4					.15 .19	NO NO		7, 18 4	
A 313	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3138	2		E25-B SHLD A313					.25 .25	NO NO			
A 313W			P1-G38 P4-B5					.15 .19	NO NO		7, 18 4	
A 314	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3148	2		E25-B SHLD A314					.25 .25	NO NO			
A 314W			P1-G39 P4-B6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 79 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 315	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3158	2		E25-B SHLD A315					.25 .25	NO NO			
A 315W			P1-G40 P4-B7					.15 .19	NO NO		7, 18 4	
A 316	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3168	2		E25-B SHLD A316					.25 .25	NO NO			
A 316W			P1-G41 P4-B8					.15 .19	NO NO		7, 18 4	
A 317	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3178	2		E25-B SHLD A317					.25 .25	NO NO			
A 317W			P1-H36 P4-C1					.15 .19	NO NO		7, 18 4	
A 318	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3188	2		E26-B SHLD A318					.25 .25	NO NO			
A 318W			P1-H37 P4-C2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 80 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 319	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3198	2		E26-B SHLD A319					.25 .25	NO NO			
A 319W			P1-H38 P4-C3					.15 .19	NO NO		7, 18 4	
A 320	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3208	2		E26-B SHLD A320					.25 .25	NO NO			
A 320W			P1-H39 P4-C4					.15 .19	NO NO		7, 18 4	
A 321	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3218	2		E26-B SHLD A321					.25 .25	NO NO			
A 321W			P1-H40 P4-C5					.15 .19	NO NO		7, 18 4	
A 322	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3228	2		E26-B SHLD A322					.25 .25	NO NO			
A 322W			P1-H41 P4-C6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 81 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 323	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3238	2		E26-B SHLD A323					.25 .25	NO NO			
A 323W			P1-K36 P4-C7					.15 .19	NO NO		7, 18 4	
A 324	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 3248	2		E26-B SHLD A324					.25 .25	NO NO			
A 324W			P1-K37 P4-C8					.15 .19	NO NO		7, 18 4	
A 325	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 3258	2		E26-B SHLD A325					.25 .25	NO NO			
A 325W			P1-K38 P4-D1					.15 .19	NO NO		7, 18 4	
A 326	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 3268	2		E26-B SHLD A326					.25 .25	NO NO			
A 326W			P1-K39 P4-D2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 82 OF 86

MIL 2084 9-65

APPLICATION	
NEXT ASSY	USED ON
2901076-011	2901076-011

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
B	REPLACES REV A WITH CHANGE PER MXC209928	15 MAR 66	A.N.
C	REVISED PER MXC 210280	18 MAR 66	DKD EF
D	REVISED PER MXC 211606	22-APR 66	M.G.
E	INITIAL RELEASE CLASS A PER TDRR 28604	2-MAY 66	GM DKD EF
F	REVISED PER TDRR 30454	16 AUG 66	GJV JI
G	REVISED PER TDRR 31340	5-OCT66	JJB N.W.

REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E	E	E
SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
REV STATUS OF SHEETS	REV							G	F	F	E	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E
	SHEET							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY
MX116398

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

DRAFTSMAN SPLANE 1 MAR 66 (DAY MO YR)
CHECKER Hayes 2 MAR 66
ENGINEER [illegible] 3 MAR 66
APPROVAL [illegible]
CONTR NO. NAS 9-497
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W554

SIZE	CODE IDENT. NO	
A	99974	2901060

SCALE NONE | SHEET 1 OF 86

MIL 1377A6 12-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	19	1			6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	19B	2	E2-B SHLD A19					.25 NO .25 NO				
A	19W		P1-B4 P2-C7					.15 NO .19 NO			7, 18 4	
A	20	1			6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	20B	2	E2-B SHLD A20					.25 NO .25 NO				
A	20W		P1-B5 P2-C8					.15 NO .19 NO			7, 18 4	
A	21	1			6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	21B	2	E2-B SHLD A21					.25 NO .25 NO				
A	21W		P1-B6 P2-D1					.15 NO .19 NO			7, 18 4	
A	22	1			6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	22B	2	E2-B SHLD A22					.25 NO .25 NO				
A	22W		P1-B7 P2-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR	SHEET 11 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	23	1			6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	23B	2	E2-B SHLD A23					.25 NO .25 NO				
A	23W		P1-B8 P2-D3					.15 NO .19 NO			7, 18 4	
A	24	1			6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	24B	2	E2-B SHLD A24					.25 NO .25 NO				
A	24W		P1-B9 P2-D4					.15 NO .19 NO			7, 18 4	
A	25	1			6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	25B	2	E2-B SHLD A25					.25 NO .25 NO				
A	25W		P1-B10 P2-D5					.15 NO .19 NO			7, 18 4	
A	26	1			6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	26B	2	E2-B SHLD A26					.25 NO .25 NO				
A	26W		P1-B11 P2-D6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR	SHEET 12 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	27	1			6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	27B	2	E3-B SHLD A27					.25 NO .25 NO				
A	27W		P1-B12 P2-D7					.15 NO .19 NO			7, 18 4	
A	28	1			6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	28B	2	E3-B SHLD A28					.25 NO .25 NO				
A	28W		P1-B13 P2-D8					.15 NO .19 NO			7, 18 4	
A	29	1			6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	29B	2	E3-B SHLD A29					.25 NO .25 NO				
A	29W		P1-B14 P2-E1					.15 NO .19 NO			7, 18 4	
A	30	1			6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	30B	2	E3-B SHLD A30					.25 NO .25 NO				
A	30W		P1-B15 P2-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR	SHEET 13 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	31	1			6.75 3.75	6.50 3.50				8,7 A,6A		
A	31B	2	E3-B SHLD A31					.25 NO .25 NO				
A	31W		P1-C1 P2-E3					.15 NO .19 NO			7, 18 4	
A	32	1			6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	32B	2	E3-B SHLD A32					.25 NO .25 NO				
A	32W		P1-C2 P2-E4					.15 NO .19 NO			7, 18 4	
A	33	1			4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A	33B	2	E3-B SHLD A33					.25 NO .25 NO				
A	33W		P1-C3 P2-E5					.15 NO .19 NO			7, 18 4	
A	34	1			4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A	34B	2	E3-B SHLD A34					.25 NO .25 NO				
A	34W		P1-C4 P2-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR	SHEET 14 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	35	1			4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A	35B	2	E3-B SHLD A35					.25 .25	NO NO			
A	35W		P1-C5 P2-E7					.15 .19	NO NO		7, 18 4	
A	36	1			4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A	36B	2	E3-B SHLD A36					.25 .25	NO NO			
A	36W		P1-C6 P2-E8					.15 .19	NO NO		7, 18 4	
A	37	1			4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A	37B	2	E3-B SHLD A37					.25 .25	NO NO			
A	37W		P1-C7 P2-F1					.15 .19	NO NO		7, 18 4	
A	38	1			4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A	38B	2	E3-B SHLD A38					.25 .25	NO NO			
A	38W		P1-C8 P2-F2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 15 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	39	1			4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A	39B	2	E4-B SHLD A39					.25 .25	NO NO			
A	39W		P1-C9 P2-F3					.15 .19	NO NO		7, 18 4	
A	40	1			4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A	40B	2	E4-B SHLD A40					.25 .25	NO NO			
A	40W		P1-C10 P2-F4					.15 .19	NO NO		7, 18 4	
A	41	1			4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A	41B	2	E4-B SHLD A41					.25 .25	NO NO			
A	41W		P1-C11 P2-F5					.15 .19	NO NO		7, 18 4	
A	42	1			4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A	42B	2	E4-B SHLD A42					.25 .25	NO NO			
A	42W		P1-C12 P2-F6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 16 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	43	1			4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A	43B	2	E4-B SHLD A43					.25 .25	NO NO			
A	43W		P1-C13 P2-F7					.15 .19	NO NO		7, 18 4	
A	44	1			4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A	44B	2	E4-B SHLD A44					.25 .25	NO NO			
A	44W		P1-C14 P2-F8					.15 .19	NO NO		7, 18 4	
A	45	1			4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A	45B	2	E4-B SHLD A45					.25 .25	NO NO			
A	45W		P1-C15 P2-G1					.15 .19	NO NO		7, 18 4	
A	46	1			4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A	46B	2	E4-B SHLD A46					.25 .25	NO NO			
A	46W		P1-D1 P2-G2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 17 OF 86

MIL 2084 9-65

CABLE ASSEMBLY W554 — 2901060 — E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	47	1			4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A	47B	2	E4-B SHLD A47					.25 .25	NO NO			
A	47W		P1-D2 P2-G3					.15 .19	NO NO		7, 18 4	
A	48	1			4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A	48B	2	E4-B SHLD A48					.25 .25	NO NO			
A	48W		P1-D3 P2-G4					.15 .19	NO NO		7, 18 4	
A	49	1			5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A	49B	2	E4-B SHLD A49					.25 .25	NO NO			
A	49W		P1-D4 P2-G5					.15 .19	NO NO		7, 18 4	
A	50	1			5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A	50B	2	E4-B SHLD A50					.25 .25	NO NO			
A	50W		P1-D5 P2-G6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 18 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 67	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 67B	2		E6-B SHLD A67					.25 NO .25 NO				
A 67W			P1-F7 P2-J7					.15 NO .19 NO			7, 18 4	
A 68	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 68B	2		E6-B SHLD A68					.25 NO .25 NO				
A 68W			P1-F8 P2-J8					.15 NO .19 NO			7, 18 4	
A 69	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 69B	2		E6-B SHLD A69					.25 NO .25 NO				
A 69W			P1-F9 P2-K1					.15 NO .19 NO			7, 18 4	
A 70	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 70B	2		E6-B SHLD A70					.25 NO .25 NO				
A 70W			P1-F10 P2-K2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 23 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 71	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 71B	2		E6-B SHLD A71					.25 NO .25 NO				
A 71W			P1-F11 P2-K3					.15 NO .19 NO			7, 18 4	
A 72	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 72B	2		E6-B SHLD A72					.25 NO .25 NO				
A 72W			P1-F12 P2-K6					.15 NO .19 NO			7, 18 4	
A 73	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 73B	2		E6-B SHLD A73					.25 NO .25 NO				
A 73W			P1-F13 P2-K7					.15 NO .19 NO			7, 18 4	
A 74	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 74B	2		E6-B SHLD A74					.25 NO .25 NO				
A 74W			P1-F14 P2-K8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 24 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 75	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 75B	2		E7-B SHLD A75					.25 NO .25 NO				
A 75W			P1-F15 P2-L1					.15 NO .19 NO			7, 18 4	
A 76	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 76B	2		E7-B SHLD A76					.25 NO .25 NO				
A 76W			P1-G1 P2-L2					.15 NO .19 NO			7, 18 4	
A 77	1				7.75 6.75	7.00 6.00				8,7 A,6A	9 8, 9	
A 77B	2		E7-B SHLD A77					.25 NO .25 NO				
A 77W			P1-G2 P2-L7					.15 NO .19 NO			7, 18 4	
A 78	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 78B	2		E7-B SHLD A78					.25 NO .25 NO				
A 78W			P1-G3 P2-L8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 25 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 79	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 79B	2		E7-B SHLD A79					.25 NO .25 NO				
A 79W			P1-G4 P2-M1					.15 NO .19 NO			7, 18 4	
A 80	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 80B	2		E7-B SHLD A80					.25 NO .25 NO				
A 80W			P1-G5 P2-M2					.15 NO .19 NO			7, 18 4	
A 81	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 81B	2		E7-B SHLD A81					.25 NO .25 NO				
A 81W			P1-G6 P2-M3					.15 NO .19 NO			7, 18 4	
A 82	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 82B	2		E7-B SHLD A82					.25 NO .25 NO				
A 82W			P1-G7 P2-M6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 26 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 99	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 99B	2		E9-B SHLD A99					.25 NO .25 NO				
A 99W			P1-H9 P2-P7					.15 NO .19 NO			7, 18 4	
A 100	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 100B	2		E9-B SHLD A100					.25 NO .25 NO				
A 100W			P1-H10 P2-P8					.15 NO .19 NO			7, 18 4	
A 101	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 101B	2		E9-B SHLD A101					.25 NO .25 NO				
A 101W			P1-H11 P2-R1					.15 NO .19 NO			7, 18 4	
A 102	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 102B	2		E9-B SHLD A102					.25 NO .25 NO				
A 102W			P1-H12 P2-R2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 31 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 103	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 103B	2		E9-B SHLD A103					.25 NO .25 NO				
A 103W			P1-H13 P2-R3					.15 NO .19 NO			7, 18 4	
A 104	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 104B	2		E9-B SHLD A104					.25 NO .25 NO				
A 104W			P1-H14 P2-R4					.15 NO .19 NO			7, 18 4	
A 105	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 105B	2		E9-B SHLD A105					.25 NO .25 NO				
A 105W			P1-H15 P2-R5					.15 NO .19 NO			7, 18 4	
A 108	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 108B	2		E9-B SHLD A108					.25 NO .25 NO				
A 108W			P1-K3 P2-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 32 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 109B	2		E9-B SHLD A109					.25 NO .25 NO				
A 109W			P1-K4 P2-S1					.15 NO .19 NO			7, 18 4	
A 110	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 110B	2		E9-B SHLD A110					.25 NO .25 NO				
A 110W			P1-K5 P2-S2					.15 NO .19 NO			7, 18 4	
A 111	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 111B	2		E9-B SHLD A111					.25 NO .25 NO				
A 111W			P1-K6 P2-S3					.15 NO .19 NO			7, 18 4	
A 112	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 112B	2		E9-B SHLD A112					.25 NO .25 NO				
A 112W			P1-K7 P2-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 33 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 113B	2		E10-B SHLD A113					.25 NO .25 NO				
A 113W			P1-K8 P2-S5					.15 NO .19 NO			7, 18 4	
A 114	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 114B	2		E10-B SHLD A114					.25 NO .25 NO				
A 114W			P1-K9 P2-S6					.15 NO .19 NO			7, 18 4	
A 115	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 115B	2		E10-B SHLD A115					.25 NO .25 NO				
A 115W			P1-K10 P2-S7					.15 NO .19 NO			7, 18 4	
A 116	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 116B	2		E10-B SHLD A116					.25 NO .25 NO				
A 116W			P1-K11 P2-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 34 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 117	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 1178	2		E10-8 SHLD A117					.25 NO .25 NO				
A 117W			P1-K12 P2-T1					.15 NO .19 NO			7, 18 4	
A 118	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 118B	2		E10-8 SHLD A118					.25 NO .25 NO				
A 118W			P1-K13 P2-T2					.15 NO .19 NO			7, 18 4	
A 119	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 1198	2		E10-8 SHLD A119					.25 NO .25 NO				
A 119W			P1-K14 P2-T3					.15 NO .19 NO			7, 18 4	
A 120	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 1208	2		E10-8 SHLD A120					.25 NO .25 NO				
A 120W			P1-K15 P2-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 35 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 130	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 1308	2		E11-8 SHLD A130					.25 NO .25 NO				
A 130W			P1-A25 P2-U6					.15 NO .19 NO			7, 18 4	
A 131	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 1318	2		E11-8 SHLD A131					.25 NO .25 NO				
A 131W			P1-B16 P2-U7					.15 NO .19 NO			7, 18 4	
A 132	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1328	2		E11-8 SHLD A132					.25 NO .25 NO				
A 132W			P1-B17 P2-U8					.15 NO .19 NO			7, 18 4	
A 133	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1338	2		E11-8 SHLD A133					.25 NO .25 NO				
A 133W			P1-B18 P2-V1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 36 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 134	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1348	2		E11-8 SHLD A134					.25 NO .25 NO				
A 134W			P1-B19 P2-V2					.15 NO .19 NO			7, 18 4	
A 135	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1358	2		E11-8 SHLD A135					.25 NO .25 NO				
A 135W			P1-B20 P2-V3					.15 NO .19 NO			7, 18 4	
A 136	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1368	2		E11-8 SHLD A136					.25 NO .25 NO				
A 136W			P1-B21 P2-V4					.15 NO .19 NO			7, 18 4	
A 137	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1378	2		E11-8 SHLD A137					.25 NO .25 NO				
A 137W			P1-B22 P2-V5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 37 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1388	2		E11-8 SHLD A138					.25 NO .25 NO				
A 138W			P1-B23 P2-V6					.15 NO .19 NO			7, 18 4	
A 139	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 1398	2		E11-8 SHLD A139					.25 NO .25 NO				
A 139W			P1-B24 P2-V7					.15 NO .19 NO			7, 18 4	
A 140	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 1408	2		E11-8 SHLD A140					.25 NO .25 NO				
A 140W			P1-B25 P2-V8					.15 NO .19 NO			7, 18 4	
A 141	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 1418	2		E12-8 SHLD A141					.25 NO .25 NO				
A 141W			P1-C16 P2-W1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 38 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 142	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 142B	2		E12-B SHLD A142					.25 NO .25 NO				
A 142W			P1-C17 P2-W2					.15 NO .19 NO			7, 18 4	
A 143	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 143B	2		E12-B SHLD A143					.25 NO .25 NO				
A 143W			P1-C18 P2-W3					.15 NO .19 NO			7, 18 4	
A 144	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 144B	2		E12-B SHLD A144					.25 NO .25 NO				
A 144W			P1-C19 P2-W4					.15 NO .19 NO			7, 18 4	
A 145	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 145B	2		E12-B SHLD A145					.25 NO .25 NO				
A 145W			P1-C20 P2-W5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 39 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 146	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 146B	2		E12-B SHLD A146					.25 NO .25 NO				
A 146W			P1-C21 P2-W6					.15 NO .19 NO			7, 18 4	
A 147	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 147B	2		E12-B SHLD A147					.25 NO .25 NO				
A 147W			P1-C22 P2-W7					.15 NO .19 NO			7, 18 4	
A 148	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 148B	2		E12-B SHLD A149					.25 NO .25 NO				
A 148W			P1-C23 P2-W8					.15 NO .19 NO			7, 18 4	
A 149	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 149B	2		E12-B SHLD A149					.25 NO .25 NO				
A 149W			P1-C24 P2-X3					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 40 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 150B	2		E12-B SHLD A150					.25 NO .25 NO				
A 150W			P1-C25 P2-X4					.15 NO .19 NO			7, 18 4	
A 151	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 151B	2		E12-B SHLD A151					.25 NO .25 NO				
A 151W			P1-D16 P2-X5					.15 NO .19 NO			7, 18 4	
A 152	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 152B	2		E24-B SHLD A152					.25 NO .25 NO				
A 152W			P1-D17 P3-X5					.15 NO .19 NO			7, 18 4	
A 153	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 153B	2		E13-B SHLD A153					.25 NO .25 NO				
A 153W			P1-D18 P3-A3					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR F	SHEET 41 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 154	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 154B	2		E13-B SHLD A154					.25 NO .25 NO				
A 154W			P1-D19 P3-A4					.15 NO .19 NO			7, 18 4	
A 155	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 155B	2		E13-B SHLD A155					.25 NO .25 NO				
A 155W			P1-D20 P3-A5					.15 NO .19 NO			7, 18 4	
A 156	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 156B	2		E13-B SHLD A156					.25 .25				
A 156W			P1-D21 P3-A6					.15 .19			7, 18 4	
A 157	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 157B	2		E13-B SHLD A157					.25 .25				
A 157W			P1-D22 P3-B1					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 42 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 158	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 1588	2		E13-B SHLD A158					.25 .25				
A 158W			P1-D23 P3-B2					.15 .19			7, 18 4	
A 159	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 159B	2		E13-B SHLD A159					.25 .25				
A 159W			P1-D24 P3-B3					.15 .19			7, 18 4	
A 160	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 160B	2		E13-B SHLD A160					.25 .25				
A 160W			P1-D25 P3-B4					.15 .19			7, 18 4	
A 161	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 161B	2		E13-B SHLD A161					.25 .25				
A 161W			P1-F16 P3-B5					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 43 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 162B	2		E13-B SHLD A162					.25 .25				
A 162W			P1-F17 P3-B6					.15 .19			7, 18 4	
A 163	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 163B	2		E13-B SHLD A163					.25 .25				
A 163W			P1-F18 P3-B7					.15 .19			7, 18 4	
A 164	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 164B	2		E13-B SHLD A164					.25 NO .25 NO				
A 164W			P1-F19 P3-B8					.15 NO .19 NO			7, 18 4	
A 165	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 165B	2		E14-B SHLD A165					.25 NO .25 NO				
A 165W			P1-F20 P3-C1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 44 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 166	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 166B	2		E14-B SHLD A166					.25 NO .25 NO				
A 166W			P1-F21 P3-C2					.15 NO .19 NO			7, 18 4	
A 167	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 167B	2		E14-B SHLD A167					.25 NO .25 NO				
A 167W			P1-F22 P3-C3					.15 NO .19 NO			7, 18 4	
A 168	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 168B	2		E14-B SHLD A168					.25 NO .25 NO				
A 168W			P1-F23 P3-C4					.15 NO .19 NO			7, 18 4	
A 169	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 169B	2		E14-B SHLD A169					.25 NO .25 NO				
A 169W			P1-F24 P3-C5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 45 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 170	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 170B	2		E14-B SHLD A170					.25 NO .25 NO				
A 170W			P1-F25 P3-C6					.15 NO .19 NO			7, 18 4	
A 171	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 171B	2		E14-B SHLD A171					.25 NO .25 NO				
A 171W			P1-G16 P3-C7					.15 NO .19 NO			7, 18 4	
A 172	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 172B	2		E14-B SHLD A172					.25 NO .25 NO				
A 172W			P1-G17 P3-C8					.15 NO .19 NO			7, 18 4	
A 173	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 173B	2		E14-B SHLD A173					.25 NO .25 NO				
A 173W			P1-G18 P3-D1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 46 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 174	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 174B	2		E14-B SHLD A174					.25 NO .25 NO				
A 174W			P1-G19 P3-D2					.15 NO .19 NO			7, 18 4	
A 175	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 175B	2		E14-B SHLD A175					.25 NO .25 NO				
A 175W			P1-G20 P3-D3					.15 NO .19 NO			7, 18 4	
A 176	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 176B	2		E14-B SHLD A176					.25 NO .25 NO				
A 176W			P1-G21 P3-D4					.15 NO .19 NO			7, 18 4	
A 177	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 177B	2		E15-B SHLD A177					.25 NO .25 NO				
A 177W			P1-G22 P3-D5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 47 OF 86

MIL 2004 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 178	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 178B	2		E15-B SHLD A178					.25 NO .25 NO				
A 178W			P1-G23 P3-D6					.15 NO .19 NO			7, 18 4	
A 179	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 179B	2		E15-B SHLD A179					.25 NO .25 NO				
A 179W			P1-G24 P3-D7					.15 NO .19 NO			7, 18 4	
A 180	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 180B	2		E15-B SHLD A180					.25 NO .25 NO				
A 180W			P1-G25 P3-D8					.15 NO .19 NO			7, 18 4	
A 181	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 181B	2		E15-B SHLD A181					.25 NO .25 NO				
A 181W			P1-H16 P3-F1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 48 OF 86

MIL 2004 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 182	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 182B	2		E15-B SHLD A182					.25 NO .25 NO				
A 182W			P1-H17 P3-F2					.15 NO .19 NO			7, 18 4	
A 183	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 183B	2		E15-B SHLD A183					.25 NO .25 NO				
A 183W			P1-H18 P3-F3					.15 NO .19 NO			7, 18 4	
A 184	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 184B	2		E15-B SHLD A184					.25 NO .25 NO				
A 184W			P1-H19 P3-F4					.15 NO .19 NO			7, 18 4	
A 185	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 185B	2		E15-B SHLD A185					.25 NO .25 NO				
A 185W			P1-H20 P3-F5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 49 OF 86

MIL 2004 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 186	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 186B	2		E15-B SHLD A186					.25 NO .25 NO				
A 186W			P1-H21 P3-F6					.15 NO .19 NO			7, 18 4	
A 187	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 187B	2		E15-B SHLD A187					.25 NO .25 NO				
A 187W			P1-H22 P3-F7					.15 NO .19 NO			7, 18 4	
A 188	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 188B	2		E15-B SHLD A188					.25 NO .25 NO				
A 188W			P1-H23 P3-F8					.15 NO .19 NO			7, 18 4	
A 189	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 189B	2		E16-B SHLD A189					.25 NO .25 NO				
A 189W			P1-H24 P3-G1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 50 OF 86

MIL 2004 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 229	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 229B	2		E18-8 SHLD A229					.25 NO .25 NO				
A 229W			P1-C34 P3-N1					.15 NO .19 NO			7, 18 4	
A 230	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 230B	2		E18-8 SHLD A230					.25 NO .25 NO				
A 230W			P1-C35 P3-N2					.15 NO .19 NO			7, 18 4	
A 231	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 231B	2		E18-8 SHLD A231					.25 NO .25 NO				
A 231W			P1-D26 P3-N3					.15 NO .19 NO			7, 18 4	
A 232	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 232B	2		E19-8 SHLD A232					.25 NO .25 NO				
A 232W			P1-D27 P3-N4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 59 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 233	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 233B	2		E19-8 SHLD A233					.25 NO .25 NO				
A 233W			P1-D28 P3-N5					.15 NO .19 NO			7, 18 4	
A 234	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 234B	2		E19-8 SHLD A234					.25 NO .25 NO				
A 234W			P1-D29 P3-N6					.15 NO .19 NO			7, 18 4	
A 235	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 235B	2		E19-8 SHLD A235					.25 NO .25 NO				
A 235W			P1-D30 P3-N7					.15 NO .19 NO			7, 18 4	
A 236	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 236B	2		E19-8 SHLD A236					.25 NO .25 NO				
A 236W			P1-D31 P3-N8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 60 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 237B	2		E19-8 SHLD A237					.25 NO .25 NO				
A 237W			P1-D32 P3-P1					.15 NO .19 NO			7, 18 4	
A 238	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 238B	2		E19-8 SHLD A238					.25 NO .25 NO				
A 238W			P1-D33 P3-P2					.15 NO .19 NO			7, 18 4	
A 239	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 239B	2		E19-8 SHLD A239					.25 NO .25 NO				
A 239W			P1-D34 P3-P3					.15 NO .19 NO			7, 18 4	
A 240	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 240B	2		E19-8 SHLD A240					.25 NO .25 NO				
A 240W			P1-D35 P3-P4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 61 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 241	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 241B	2		E19-8 SHLD A241					.25 NO .25 NO				
A 241W			P1-F26 P3-P5					.15 NO .19 NO			7, 18 4	
A 242	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 242B	2		E19-8 SHLD A242					.25 NO .25 NO				
A 242W			P1-F27 P3-P6					.15 NO .19 NO			7, 18 4	
A 243	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 243B	2		E19-8 SHLD A243					.25 NO .25 NO				
A 243W			P1-F28 P3-P7					.15 NO .19 NO			7, 18 4	
A 244	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 244B	2		E20-8 SHLD A244					.25 NO .25 NO				
A 244W			P1-F29 P3-P8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 62 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 245	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 245B	2		E20-B SHLD A245					.25 NO .25 NO				
A 245W			P1-F30 P3-R1					.15 NO .19 NO			7, 18 4	
A 246	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 246B	2		E20-B SHLD A246					.25 NO .25 NO				
A 246W			P1-F31 P3-R2					.15 NO .19 NO			7, 18 4	
A 247	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 247B	2		E20-B SHLD A247					.25 NO .25 NO				
A 247W			P1-F32 P3-R3					.15 NO .19 NO			7, 18 4	
A 248	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 248B	2		E20-B SHLD A248					.25 NO .25 NO				
A 248W			P1-F33 P3-R4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 63 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 249B	2		E20-B SHLD A249					.25 NO .25 NO				
A 249W			P1-F34 P3-R5					.15 NO .19 NO			7, 18 4	
A 250	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 250B	2		E20-B SHLD A250					.25 NO .25 NO				
A 250W			P1-F35 P3-R6					.15 NO .19 NO			7, 18 4	
A 251	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 251B	2		E20-B SHLD A251					.25 NO .25 NO				
A 251W			P1-G26 P3-R7					.15 NO .19 NO			7, 18 4	
A 252	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 252B	2		E20-B SHLD A252					.25 NO .25 NO				
A 252W			P1-G27 P3-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 64 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 253B	2		E20-B SHLD A253					.25 NO .25 NO				
A 253W			P1-G28 P3-S1					.15 NO .19 NO			7, 18 4	
A 254	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 254B	2		E20-B SHLD A254					.25 NO .25 NO				
A 254W			P1-G29 P3-S2					.15 NO .19 NO			7, 18 4	
A 255	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 255B	2		E20-B SHLD A255					.25 NO .25 NO				
A 255W			P1-G30 P3-S3					.15 NO .19 NO			7, 18 4	
A 256	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 256B	2		E21-B SHLD A256					.25 NO .25 NO				
A 256W			P1-G31 P3-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 65 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 257	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 257B	2		E21-B SHLD A257					.25 NO .25 NO				
A 257W			P1-G32 P3-S5					.15 NO .19 NO			7, 18 4	
A 258	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 258B	2		E21-B SHLD A258					.25 NO .25 NO				
A 258W			P1-G33 P3-S6					.15 NO .19 NO			7, 18 4	
A 259	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 259B	2		E21-B SHLD A259					.25 NO .25 NO				
A 259W			P1-G34 P3-S7					.15 NO .19 NO			7, 18 4	
A 260	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 260B	2		E21-B SHLD A260					.25 NO .25 NO				
A 260W			P1-G35 P3-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 66 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	SHLD STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2618	2		E21-B SHLD A261					.25 NO .25 NO				
A 261W			P1-H26 P3-T1					.15 NO .19 NO			7, 18 4	
A 262	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 262B	2		E21-B SHLD A262					.25 NO .25 NO				
A 262W			P1-H27 P3-T2					.15 NO .19 NO			7, 18 4	
A 263	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2638	2		E21-B SHLD A263					.25 NO .25 NO				
A 263W			P1-H28 P3-T3					.15 NO .19 NO			7, 18 4	
A 264	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2648	2		E21-B SHLD A264					.25 NO .25 NO				
A 264W			P1-H29 P3-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 67 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	SHLD STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2658	2		E21-B SHLD A265					.25 NO .25 NO				
A 265W			P1-H30 P3-T5					.15 NO .19 NO			7, 18 4	
A 266	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2668	2		E21-B SHLD A266					.25 NO .25 NO				
A 266W			P1-H31 P3-T6					.15 NO .19 NO			7, 18 4	
A 267	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2678	2		E21-B SHLD A267					.25 NO .25 NO				
A 267W			P1-H32 P3-T7					.15 NO .19 NO			7, 18 4	
A 268	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2688	2		E22-B SHLD A268					.25 NO .25 NO				
A 268W			P1-H33 P3-T8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 68 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	SHLD STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 269	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2698	2		E22-B SHLD A269					.25 NO .25 NO				
A 269W			P1-H34 P3-U1					.15 NO .19 NO			7, 18 4	
A 270	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2708	2		E22-B SHLD A270					.25 NO .25 NO				
A 270W			P1-H35 P3-U2					.15 NO .19 NO			7, 18 4	
A 271	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2718	2		E22-B SHLD A271					.25 NO .25 NO				
A 271W			P1-K26 P3-U3					.15 NO .19 NO			7, 18 4	
A 272	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2728	2		E22-B SHLD A272					.25 NO .25 NO				
A 272W			P1-K27 P3-U4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 69 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	SHLD STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2738	2		E22-B SHLD A273					.25 NO .25 NO				
A 273W			P1-K28 P3-U5					.15 NO .19 NO			7, 18 4	
A 274	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2748	2		E22-B SHLD A274					.25 NO .25 NO				
A 274W			P1-K29 P3-U6					.15 NO .19 NO			7, 18 4	
A 275	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2758	2		E22-B SHLD A275					.25 NO .25 NO				
A 275W			P1-K30 P3-U7					.15 NO .19 NO			7, 18 4	
A 276	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2768	2		E22-B SHLD A276					.25 NO .25 NO				
A 276W			P1-K31 P3-U8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 70 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2778	2		E22-B SHLD A277					.25 NO .25 NO				
A 277W			P1-K32 P3-V1					.15 NO .19 NO			7, 18 4	
A 278	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2788	2		E22-B SHLD A278					.25 NO .25 NO				
A 278W			P1-K33 P3-V2					.15 NO .19 NO			7, 18 4	
A 279	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2798	2		E22-B SHLD A279					.25 NO .25 NO				
A 279W			P1-K34 P3-V3					.15 NO .19 NO			7, 18 4	
A 280	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2808	2		E23-B SHLD A280					.25 NO .25 NO				
A 280W			P1-K35 P3-V4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 71 OF 86

MIL 2064 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 281	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2818	2		E23-B SHLD A281					.25 NO .25 NO				
A 281W			P1-A36 P3-V5					.15 NO .19 NO			7, 18 4	
A 282	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2828	2		E23-B SHLD A282					.25 NO .25 NO				
A 282W			P1-A37 P3-V6					.15 NO .19 NO			7, 18 4	
A 283	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2838	2		E23-B SHLD A283					.25 NO .25 NO				
A 283W			P1-A38 P3-V7					.15 NO .19 NO			7, 18 4	
A 284	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2848	2		E23-B SHLD A284					.25 .25				
A 284W			P1-A39 P3-V8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 72 OF 86

MIL 2064 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 287	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2878	2		E23-B SHLD A287					.25 .25				
A 287W			P1-B36 P3-W3					.15 .19			7, 18 4	
A 288	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2888	2		E23-B SHLD A288					.25 .25				
A 288W			P1-B37 P3-W4					.15 .19			7, 18 4	
A 289	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2898	2		E23-B SHLD A289					.25 .25				
A 289W			P1-B38 P3-W5					.15 .19			7, 18 4	
A 290	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2908	2		E23-B SHLD A290					.25 .25				
A 290W			P1-B39 P3-W6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 73 OF 86

MIL 2064 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 291	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2918	2		E23-B SHLD A291					.25 .25				
A 291W			P1-B40 P3-W7					.15 .19			7, 18 4	
A 292	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2928	2		E23-B SHLD A292					.25 NO .25 NO				
A 292W			P1-B41 P3-W8					.15 NO .19 NO			7, 18 4	
A 293	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2938	2		E23-B SHLD A293					.25 NO .25 NO				
A 293W			P1-C36 P3-X3					.15 NO .19 NO			7, 18 4	
A 294	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2948	2		E24-B SHLD A294					.25 NO .25 NO				
A 294W			P1-C37 P3-X4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 74 OF 86

MIL 2064 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 311	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3118	2		E25-B SHLD A311					.25 NO .25 NO				
A 311W			P1-G36 P4-B3					.15 NO .19 NO			7, 18 4	
A 312	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3128	2		E25-B SHLD A312					.25 NO .25 NO				
A 312W			P1-G37 P4-B4					.15 NO .19 NO			7, 18 4	
A 313	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3138	2		E25-B SHLD A313					.25 NO .25 NO				
A 313W			P1-G38 P4-B5					.15 NO .19 NO			7, 18 4	
A 314	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3148	2		E25-B SHLD A314					.25 NO .25 NO				
A 314W			P1-G39 P4-B6					.15 NO .19 NU			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 79 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 315	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3158	2		E25-B SHLD A315					.25 NO .25 NO				
A 315W			P1-G40 P4-B7					.15 NO .19 NO			7, 18 4	
A 316	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3168	2		E25-B SHLD A316					.25 NO .25 NO				
A 316W			P1-G41 P4-B8					.15 NO .19 NO			7, 18 4	
A 317	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3178	2		E25-B SHLD A317					.25 NO .25 NO				
A 317W			P1-H36 P4-C1					.15 NO .19 NO			7, 18 4	
A 318	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3188	2		E26-B SHLD A318					.25 NO .25 NO				
A 318W			P1-H37 P4-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 80 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 319	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3198	2		E26-B SHLD A319					.25 NO .25 NO				
A 319W			P1-H38 P4-C3					.15 NO .19 NU			7, 18 4	
A 320	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3208	2		E26-B SHLD A320					.25 NO .25 NO				
A 320W			P1-H39 P4-C4					.15 NO .19 NO			7, 18 4	
A 321	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3218	2		E26-B SHLD A321					.25 NO .25 NO				
A 321W			P1-H40 P4-C5					.15 NO .19 NO			7, 18 4	
A 322	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3228	2		E26-B SHLD A322					.25 NO .25 NO				
A 322W			P1-H41 P4-C6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 81 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 323	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3238	2		E26-B SHLD A323					.25 NO .25 NO				
A 323W			P1-K36 P4-C7					.15 NO .19 NO			7, 18 4	
A 324	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 3248	2		E26-B SHLD A324					.25 NO .25 NO				
A 324W			P1-K37 P4-C8					.15 NO .19 NU			7, 18 4	
A 325	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 3258	2		E26-B SHLD A325					.25 NO .25 NO				
A 325W			P1-K38 P4-D1					.15 NO .19 NO			7, 18 4	
A 326	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 3268	2		E26-B SHLD A326					.25 NO .25 NU				
A 326W			P1-K39 P4-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901060
SCALE-NONE	REV LTR E	SHEET 82 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 327	6		E1-8B					.25	NO			
			E27-8					.25	NO			
A 328	6		E2-8B					.25	NO			
			E27-8					.25	NO			
A 329	6		E3-8B					.25	NO			
			E27-8					.25	NO			
A 330	6		E4-8B					.25	NO			
			E27-8					.25	NO			
A 331	6		E5-8B					.25	NO			
			E27-8					.25	NO			
A 332	6		E6-8B					.25	NO			
			E27-8					.25	NO			
A 333	6		E7-8B					.25	NO			
			E27-8					.25	NO			
A 334	6		E8-8B					.25	NO			
			E27-8					.25	NO			
A 335	6		E9-8B					.25	NO			
			E27-8					.25	NO			
A 336	6		E10-8B					.25	NO			
			E27-8					.25	NO			
A 337	6		E11-8B					.25	NO			
			E27-8					.25	NO			
A 338	6		E12-8B					.25	NO			
			E27-8					.25	NO			

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 83 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 339	6		E13-8B					.25	NO			
			E28-8					.25	NO			
A 340	6		E14-8B					.25	NO			
			E28-8					.25	NO			
A 341	6		E15-8B					.25	NO			
			E28-8					.25	NO			
A 342	6		E16-8B					.25	NO			
			E28-8					.25	NO			
A 343	6		E17-8B					.25	NO			
			E28-8					.25	NO			
A 344	6		E18-8B					.25	NO			
			E28-8					.25	NO			
A 345	6		E19-8B					.25	NO			
			E28-8					.25	NO			
A 346	6		E20-8B					.25	NO			
			E28-8					.25	NO			
A 347	6		E21-8B					.25	NO			
			E28-8					.25	NO			
A 348	6		E22-8B					.25	NO			
			E28-8					.25	NO			
A 349	6		E23-8B					.25	NO			
			E28-8					.25	NO			
A 350	6		E24-8B					.25	NO			
			E28-8					.25	NO			

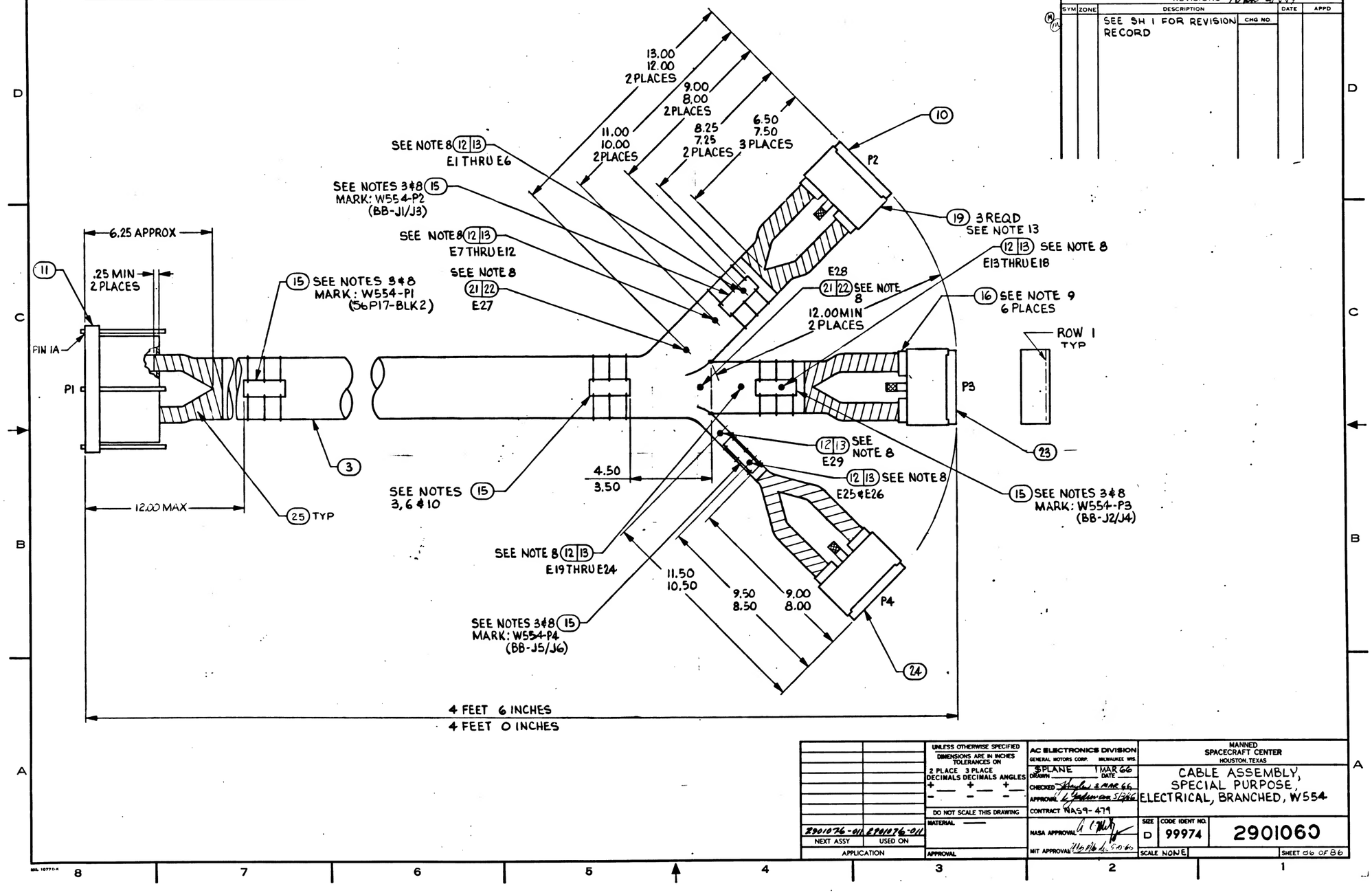
SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 84 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 351	6		E25-8B					.25	NO			
			E29-8					.25	NO			
A 352	6		E26-8B					.25	NO			
			E29-8					.25	NO			
A 353	5		E27-8B					.25	NO			
			P2-X6					.19	NO		26	
A 354	5		E28-8B					.25	NO			
			P3-X6					.19	NO		26	
A 355	5		E29-8B					.25	NO			
			P4-X6					.19	NO		26	

SIZE	CODE IDENT NO.	2901060
A	99974	
SCALE-NONE	REV LTR E	SHEET 85 OF 86

MIL 2084 9-85



REVISIONS TOOL 27/64

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SH 1 FOR REVISION RECORD			

0901063

2901076-011	2901076-011
NEXT ASSY	USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE DECIMALS DECIMALS ANGLES + − + − + −

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN SPLANE 1 MAR 66 DATE
CHECKED 1 MAR 66
APPROVAL 5/3/66
CONTRACT NAS9-479
NASA APPROVAL
MIT APPROVAL 5-10-66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W554

SIZE	CODE IDENT NO.	
D	99974	2901063

SCALE NONE SHEET 06 OF 86

MIL 1077D-4

APPLICATION	
NEXT ASSY	USED ON
2901076-011	2901076-011

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
B	REPLACES REV A WITH CHANGE PER MXC-209929	16-MAR-66	B.
C	REVISED PER MXC 210281	31 MAR 66	R AU
D	REVISED PER MXC 211607	22-APR 66	M.
E	INITIAL RELEASE CLASS A PER TDRR 28604	2-MAY 66	PG EF

REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
REV STATUS OF SHEETS — REV								E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
REV STATUS OF SHEETS — SHEET								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

$PLANE 9 DEC 65
DRAFTSMAN DAY MO YR
CHECKER Jaylor 2 MAR 66
ENGINEER
APPROV. C. Johnson 5/2/66
CONTR NO. NAS9-497
NASA APPROVAL
MIT APPR. 5-10-66

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W555

SIZE	CODE IDENT. NO	
A	99974	2901061
SCALE NONE		SHEET 1 OF 86

MIL 1377A6 12-66

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	E	80	E														
47	E	81	E														
48	E	82	E														
49	E	83	E														
50	E	84	E														
51	E	85	E														
52	E	86	E														
53	E																
54	E																
55	E																
56	E																
57	E																
58	E																
59	E																
60	E																
61	E																
62	E																
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64	E																
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66	E																
67	E																
68	E																
69	E																
70	E																
71	E																
72	E																
73	E																
74	E																
75	E																
76	E																
77	E																
78	E																
79	E																

SIZE	CODE IDENT. NO.	
A	99974	2901061
SCALE NONE	REV LTR E	SHEET 2 of 86

MIL 1377A3 8-65

NOTE GENERAL NOTES

NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER - A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.
4	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
7	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE
8	MARK REFERENCE DESIGNATIONS SHOWN PER ND1002019, HOT IMPRESSION STAMPING, USING .12 BLACK CHARACTERS CENTRALIZED
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 16 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
10	SERIALIZE PER ND1002032
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	ASSEMBLE PER ND1002032

NOTE GENERAL NOTES

NUMBER	DESCRIPTION
13	AT ASSEMBLY OF ITEM 19 REMOVE 4 SELF-LOCKING NUTS SECURING LOCATING PINS TO CONNECTOR AND DISCARD. ATTACH ITEM 19 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	1	1	2901061-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 1216 FT TOTAL LENGTH
6	2	1	2901061-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 152 FT TOTAL LENGTH
6	3	1	2901061-003	ZIPPER TUBING PER ND1002155 TYPE 4 GREY 2.5, 2.5, .75 DIA 4 FT TOTAL LENGTH 3 CHANNEL
4	4	304	1016369-421	CONTACT, SOCKET
	5	1	2901061-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 2 FT TOTAL LENGTH
	6	1	2901061-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 11 FT TOTAL LENGTH
4	7	304	1897300-002	CONTACT, SPRING SOCKET
4	8	304	1010763-002	SOLDER SLEEVE
4	9	608	1010490-232	INSULATION SLEEVING SHRINK FIT
	10	1	2901434-011	CONNECTOR
4	11	1	2900963-011	CONNECTOR
4	12	27	1016006-002	SPLICE REDUCER
4	13	27	1010490-258	INSULATION SLEEVING SHRINK FIT
	14		1015902-003	DELETED
4	15	5	1016128-021	BAND IDENTIFICATION

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	AR	MIL-I-631 TYPE F FORM T BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
	17	AR	MIL-T-7138 TYPE P CLASS 2 BLK	LACING TAPE
4	18	304	1015864-232	INSULATION SLEEVING, ELECT.
4	19	3	1897391	CLAMP, CABLE DUAL ENTRY
	20		1010490-166	DELETED
4	21	2	1016006-004	SPLICE REDUCER
4	22	2	1010490-342	INSULATION SLEEVING SHRINK FIT
	23	1	2901434-021	CONNECTOR
	24	1	2901434-031	CONNECTOR
	25	AR	MIL-I-15126 TYPE ACT	INSULATION TAPE ELEC PRESSURE SENSITIVE THERMO SETTING ADHESIVE, .75 + OR -.03 WIDE (ES2716 TYPE C)
4	26	3	1016369-721	CONTACT, SOCKET

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 3	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 3B	2		E1-B SHLD A3					.25 NO .25 NO				
A 3W			P1-A3 P2-A5					.15 NO .19 NO			7, 18 4	
A 4	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 4B	2		E1-B SHLD A4					.25 NO .25 NO				
A 4W			P1-A4 P2-A6					.15 NO .19 NO			7, 18 4	
A 5	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 5B	2		E1-B SHLD A5					.25 NO .25 NO				
A 5W			P1-A5 P2-B1					.15 NO .19 NO			7, 18 4	
A 6	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 6B	2		E1-B SHLD A6					.25 NO .25 NO				
A 6W			P1-A6 P2-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061

SCALE-NONE | REV LTR BE | SHEET 7 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 7	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 7B	2		E1-B SHLD A7					.25 NO .25 NO				
A 7W			P1-A7 P2-B3					.15 NO .19 NO			7, 18 4	
A 8	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 8B	2		E1-B SHLD A8					.25 NO .25 NO				
A 8W			P1-A8 P2-B4					.15 NO .19 NO			7, 18 4	
A 9	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 9B	2		E1-B SHLD A9					.25 NO .25 NO				
A 9W			P1-A9 P2-B5					.15 NO .19 NO			7, 18 4	
A 10	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 10B	2		E1-B SHLD A10					.25 NO .25 NO				
A 10W			P1-A10 P2-B6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061

SCALE-NONE | REV LTR BE | SHEET 8 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 11	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 11B	2		E1-B SHLD A11					.25 NO .25 NO				
A 11W			P1-A11 P2-B7					.15 NO .19 NO			7, 18 4	
A 12	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 12B	2		E1-B SHLD A12					.25 NO .25 NO				
A 12W			P1-A12 P2-B8					.15 NO .19 NO			7, 18 4	
A 13	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 13B	2		E1-B SHLD A13					.25 NO .25 NO				
A 13W			P1-A13 P2-C1					.15 NO .19 NO			7, 18 4	
A 14	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 14B	2		E1-B SHLD A14					.25 NO .25 NO				
A 14W			P1-A14 P2-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061

SCALE-NONE | REV LTR BE | SHEET 9 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 15	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 15B	2		E2-B SHLD A15					.25 NO .25 NO				
A 15W			P1-A15 P2-C3					.15 NO .19 NO			7, 18 4	
A 16	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 16B	2		E2-B SHLD A16					.25 NO .25 NO				
A 16W			P1-B1 P2-C4					.15 NO .19 NO			7, 18 4	
A 17	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 17B	2		E2-B SHLD A17					.25 NO .25 NO				
A 17W			P1-B2 P2-C5					.15 NO .19 NO			7, 18 4	
A 18	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 18B	2		E2-B SHLD A18					.25 .25				
A 18W			P1-B3 P2-C6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061

SCALE-NONE | REV LTR BE | SHEET 10 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 198	2		E2-8 SHLD A19					.25 NO .25 NO				
A 19W			P1-84 P2-C7					.15 NO .19 NO			7, 18 4	
A 20	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 208	2		E2-8 SHLD A20					.25 NO .25 NO				
A 20W			P1-85 P2-C8					.15 NO .19 NO			7, 18 4	
A 21	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 218	2		E2-8 SHLD A21					.25 NO .25 NO				
A 21W			P1-86 P2-D1					.15 NO .19 NO			7, 18 4	
A 22	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 228	2		E2-8 SHLD A22					.25 NO .25 NO				
A 22W			P1-87 P2-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR -E	SHEET 11 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 23	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 238	2		E2-8 SHLD A23					.25 NO .25 NO				
A 23W			P1-88 P2-D3					.15 NO .19 NO			7, 18 4	
A 24	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 248	2		E2-8 SHLD A24					.25 NO .25 NO				
A 24W			P1-89 P2-D4					.15 NO .19 NO			7, 18 4	
A 25	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 258	2		E2-8 SHLD A25					.25 NO .25 NO				
A 25W			P1-810 P2-D5					.15 NO .19 NO			7, 18 4	
A 26	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 268	2		E2-8 SHLD A26					.25 NO .25 NO				
A 26W			P1-811 P2-D6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR -E	SHEET 12 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 278	2		E3-8 SHLD A27					.25 NO .25 NO				
A 27W			P1-812 P2-D7					.15 NO .19 NO			7, 18 4	
A 28	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 288	2		E3-8 SHLD A28					.25 NO .25 NO				
A 28W			P1-813 P2-D8					.15 NO .19 NO			7, 18 4	
A 29	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 298	2		E3-8 SHLD A29					.25 NO .25 NO				
A 29W			P1-814 P2-E1					.15 NO .19 NO			7, 18 4	
A 30	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 308	2		E3-8 SHLD A30					.25 NO .25 NO				
A 30W			P1-815 P2-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR -E	SHEET 13 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 31	1				6.75 3.75	6.50 3.50				8,7 A,6A		
A 318	2		E3-8 SHLD A31					.25 NO .25 NO				
A 31W			P1-C1 P2-E3					.15 NO .19 NO			7, 18 4	
A 32	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 328	2		E3-8 SHLD A32					.25 NO .25 NO				
A 32W			P1-C2 P2-E4					.15 NO .19 NO			7, 18 4	
A 33	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 338	2		E3-8 SHLD A33					.25 NO .25 NO				
A 33W			P1-C3 P2-E5					.15 NO .19 NO			7, 18 4	
A 34	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 348	2		E3-8 SHLD A34					.25 NO .25 NO				
A 34W			P1-C4 P2-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR -E	SHEET 14 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 35	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 35B	2		E3-B					.25	NO			
			SHLD A35					.25	NO			
A 35W			P1-C5					.15	NO		7, 18	
			P2-E7					.19	NO		4	
A 36	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 36B	2		E3-B					.25	NO			
			SHLD A36					.25	NO			
A 36W			P1-C6					.15	NO		7, 18	
			P2-E8					.19	NO		4	
A 37	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 37B	2		E3-B					.25	NO			
			SHLD A37					.25	NO			
A 37W			P1-C7					.15	NO		7, 18	
			P2-F1					.19	NO		4	
A 38	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 38B	2		E3-B					.25	NO			
			SHLD A38					.25	NO			
A 38W			P1-C8					.15	NO		7, 18	
			P2-F2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 15 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 39	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 39B	2		E4-B					.25	NO			
			SHLD A39					.25	NO			
A 39W			P1-C9					.15	NO		7, 18	
			P2-F3					.19	NO		4	
A 40	1				4.25	4.00				8,7	9	
					4.25	4.00				A,6A	8, 9	
A 40B	2		E4-B					.25	NO			
			SHLD A40					.25	NO			
A 40W			P1-C10					.15	NO		7, 18	
			P2-F4					.19	NO		4	
A 41	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 41B	2		E4-B					.25	NO			
			SHLD A41					.25	NO			
A 41W			P1-C11					.15	NO		7, 18	
			P2-F5					.19	NO		4	
A 42	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 42B	2		E4-B					.25	NO			
			SHLD A42					.25	NO			
A 42W			P1-C12					.15	NO		7, 18	
			P2-F6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 16 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 43	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 43B	2		E4-B					.25	NO			
			SHLD A43					.25	NO			
A 43W			P1-C13					.15	NO		7, 18	
			P2-F7					.19	NO		4	
A 44	1				4.75	4.00				8,7	9	
					4.75	4.00				A,6A	8, 9	
A 44B	2		E4-B					.25	NO			
			SHLD A44					.25	NO			
A 44W			P1-C14					.15	NO		7, 18	
			P2-F8					.19	NO		4	
A 45	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 45B	2		E4-B					.25	NO			
			SHLD A45					.25	NO			
A 45W			P1-C15					.15	NO		7, 18	
			P2-G1					.19	NO		4	
A 46	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 46B	2		E4-B					.25	NO			
			SHLD A46					.25	NO			
A 46W			P1-D1					.15	NO		7, 18	
			P2-G2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 17 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 47B	2		E4-B					.25	NO			
			SHLD A47					.25	NO			
A 47W			P1-D2					.15	NO		7, 18	
			P2-G3					.19	NO		4	
A 48	1				4.75	4.50				8,7	9	
					4.75	4.50				A,6A	8, 9	
A 48B	2		E4-B					.25	NO			
			SHLD A48					.25	NO			
A 48W			P1-D3					.15	NO		7, 18	
			P2-G4					.19	NO		4	
A 49	1				5.25	5.00				8,7	9	
					5.25	5.00				A,6A	8, 9	
A 49B	2		E4-B					.25	NO			
			SHLD A49					.25	NO			
A 49W			P1-D4					.15	NO		7, 18	
			P2-G5					.19	NO		4	
A 50	1				5.25	5.00				8,7	9	
					5.25	5.00				A,6A	8, 9	
A 50B	2		E4-B					.25	NO			
			SHLD A50					.25	NO			
A 50W			P1-D5					.15	NO		7, 18	
			P2-G6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 18 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 518	2		E5-8 SHLD A51					.25 NO .25 NO				
A 51W			P1-D6 P2-G7					.15 NO .19 NO			7, 18 4	
A 52	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 528	2		E5-8 SHLD A52					.25 NO .25 NO				
A 52W			P1-D7 P2-G8					.15 NO .19 NO			7, 18 4	
A 53	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 538	2		E5-8 SHLD A53					.25 NO .25 NO				
A 53W			P1-D8 P2-H1					.15 NO .19 NO			7, 18 4	
A 54	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 548	2		E5-8 SHLD A54					.25 NO .25 NO				
A 54W			P1-D9 P2-H2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 19 OF 86

MIL 2064 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 55	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 558	2		E5-8 SHLD A55					.25 NO .25 NO				
A 55W			P1-D10 P2-H3					.15 NO .19 NO			7, 18 4	
A 56	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 568	2		E5-8 SHLD A56					.25 NO .25 NO				
A 56W			P1-D11 P2-H4					.15 NO .19 NO			7, 18 4	
A 57	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 578	2		E5-8 SHLD A57					.25 NO .25 NO				
A 57W			P1-D12 P2-H5					.15 NO .19 NO			7, 18 4	
A 58	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 588	2		E5-8 SHLD A58					.25 NO .25 NO				
A 58W			P1-D13 P2-H6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 20 OF 86

MIL 2064 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 598	2		E5-8 SHLD A59					.25 NO .25 NO				
A 59W			P1-D14 P2-H7					.15 NO .19 NO			7, 18 4	
A 60	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 608	2		E5-8 SHLD A60					.25 NO .25 NO				
A 60W			P1-D15 P2-H8					.15 NO .19 NO			7, 18 4	
A 61	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 618	2		E5-8 SHLD A61					.25 NO .25 NO				
A 61W			P1-F1 P2-J1					.15 NO .19 NO			7, 18 4	
A 62	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 628	2		E5-8 SHLD A62					.25 NO .25 NO				
A 62W			P1-F2 P2-J2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 21 OF 86

MIL 2064 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 63	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 638	2		E6-8 SHLD A63					.25 NO .25 NO				
A 63W			P1-F3 P2-J3					.15 NO .19 NO			7, 18 4	
A 64	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 648	2		E6-8 SHLD A64					.25 NO .25 NO				
A 64W			P1-F4 P2-J4					.15 NO .19 NO			7, 18 4	
A 65	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 658	2		E6-8 SHLD A65					.25 NO .25 NO				
A 65W			P1-F5 P2-J5					.15 NO .19 NO			7, 18 4	
A 66	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 668	2		E6-8 SHLD A66					.25 NO .25 NO				
A 66W			P1-F6 P2-J6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 22 OF 86

MIL 2064 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 67	1				4.75	4.00				B,7	9	
					4.75	4.00				A,6A	8, 9	
A 67B	2		E6-B					.25	NO			
			SHLD A67					.25	NO			
A 67W			P1-F7					.15	NO		7, 18	
			P2-J7					.19	NO		4	
A 68	1				4.75	4.00				B,7	9	
					4.75	4.00				A,6A	8, 9	
A 68B	2		E6-B					.25	NO			
			SHLD A68					.25	NO			
A 68W			P1-F8					.15	NO		7, 18	
			P2-J8					.19	NO		4	
A 69	1				4.75	4.00				B,7	9	
					4.75	4.00				A,6A	8, 9	
A 69B	2		E6-B					.25	NO			
			SHLD A69					.25	NO			
A 69W			P1-F9					.15	NO		7, 18	
			P2-K1					.19	NO		4	
A 70	1				7.25	7.00				B,7	9	
					6.25	6.00				A,6A	8, 9	
A 70B	2		E6-B					.25	NO			
			SHLD A70					.25	NO			
A 70W			P1-F10					.15	NO		7, 18	
			P2-K2					.19	NO		4	

SIZE	CODE IDENT NO	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 23 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 71	1				7.25	7.00				B,7	9	
					6.25	6.00				A,6A	8, 9	
A 71B	2		E6-B					.25	NO			
			SHLD A71					.25	NO			
A 71W			P1-F11					.15	NO		7, 18	
			P2-K3					.19	NO		4	
A 72	1				7.25	7.00				B,7	9	
					6.25	6.00				A,6A	8, 9	
A 72B	2		E6-B					.25	NO			
			SHLD A72					.25	NO			
A 72W			P1-F12					.15	NO		7, 18	
			P2-K6					.19	NO		4	
A 73	1				7.25	7.00				B,7	9	
					6.25	6.00				A,6A	8, 9	
A 73B	2		E6-B					.25	NO			
			SHLD A73					.25	NO			
A 73W			P1-F13					.15	NO		7, 18	
			P2-K7					.19	NO		4	
A 74	1				7.75	7.50				B,7	9	
					6.75	6.50				A,6A	8, 9	
A 74B	2		E6-B					.25	NO			
			SHLD A74					.25	NO			
A 74W			P1-F14					.15	NO		7, 18	
			P2-K8					.19	NO		4	

SIZE	CODE IDENT NO	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 24 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 75	1				7.75	7.50				B,7	9	
					6.75	6.50				A,6A	8, 9	
A 75B	2		E7-B					.25	NO			
			SHLD A75					.25	NO			
A 75W			P1-F15					.15	NO		7, 18	
			P2-L1					.19	NO		4	
A 76	1				7.75	7.50				B,7	9	
					6.75	6.50				A,6A	8, 9	
A 76B	2		E7-B					.25	NO			
			SHLD A76					.25	NO			
A 76W			P1-G1					.15	NO		7, 18	
			P2-L2					.19	NO		4	
A 77	1				7.75	7.00				B,7	9	
					6.75	6.00				A,6A	8, 9	
A 77B	2		E7-B					.25	NO			
			SHLD A77					.25	NO			
A 77W			P1-G2					.15	NO		7, 18	
			P2-L7					.19	NO		4	
A 78	1				6.25	6.00				B,7	9	
					3.25	3.00				A,6A	8, 9	
A 78B	2		E7-B					.25	NO			
			SHLD A78					.25	NO			
A 78W			P1-G3					.15	NO		7, 18	
			P2-L8					.19	NO		4	

SIZE	CODE IDENT NO	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 25 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 79	1				6.25	6.00				B,7	9	
					3.25	3.00				A,6A	8, 9	
A 79B	2		E7-B					.25	NO			
			SHLD A79					.25	NO			
A 79W			P1-G4					.15	NO		7, 18	
			P2-M1					.19	NO		4	
A 80	1				6.25	6.00				B,7	9	
					3.25	3.00				A,6A	8, 9	
A 80B	2		E7-B					.25	NO			
			SHLD A80					.25	NO			
A 80W			P1-G5					.15	NO		7, 18	
			P2-M2					.19	NO		4	
A 81	1				6.25	6.00				B,7	9	
					3.25	3.00				A,6A	8, 9	
A 81B	2		E7-B					.25	NO			
			SHLD A81					.25	NO			
A 81W			P1-G6					.15	NO		7, 18	
			P2-M3					.19	NO		4	
A 82	1				6.75	6.50				B,7	9	
					3.75	3.50				A,6A	8, 9	
A 82B	2		E7-B					.25	NO			
			SHLD A82					.25	NO			
A 82W			P1-G7					.15	NO		7, 18	
			P2-M6					.19	NO		4	

SIZE	CODE IDENT NO	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 26 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 83	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 83B	2		E7-8 SHLD A83					.25 NO .25 NO				
A 83W			P1-G8 P2-M7					.15 NO .19 NO			7, 18 4	
A 84	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 84B	2		E7-8 SHLD A84					.25 NO .25 NO				
A 84W			P1-G9 P2-M8					.15 NO .19 NO			7, 18 4	
A 85	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 85B	2		E7-8 SHLD A85					.25 NO .25 NO				
A 85W			P1-G10 P2-N1					.15 NO .19 NO			7, 18 4	
A 86	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 86B	2		E7-8 SHLD A86					.25 NO .25 NO				
A 86W			P1-G11 P2-N2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO	2901061
A	99974	
SCALE-NONE	REV LTR ℮	SHEET 27 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 87B	2		E8-8 SHLD A87					.25 NO .25 NO				
A 87W			P1-G12 P2-N3					.15 NO .19 NO			7, 18 4	
A 88	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 88B	2		E8-8 SHLD A88					.25 NO .25 NO				
A 88W			P1-G13 P2-N4					.15 NO .19 NO			7, 18 4	
A 89	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 89B	2		E8-8 SHLD A89					.25 NO .25 NO				
A 89W			P1-G14 P2-N5					.15 NO .19 NO			7, 18 4	
A 90	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 90B	2		E8-8 SHLD A90					.25 NO .25 NO				
A 90W			P1-G15 P2-N6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO	2901061
A	99974	
SCALE-NONE	REV LTR ℮	SHEET 28 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 91B	2		E8-8 SHLD A91					.25 NO .25 NO				
A 91W			P1-H1 P2-N7					.15 NO .19 NO			7, 18 4	
A 92	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 92B	2		E8-8 SHLD A92					.25 NO .25 NO				
A 92W			P1-H2 P2-N8					.15 NO .19 NO			7, 18 4	
A 93	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 93B	2		E8-8 SHLD A93					.25 NO .25 NO				
A 93W			P1-H3 P2-P1					.15 NO .19 NO			7, 18 4	
A 94	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 94B	2		E8-8 SHLD A94					.25 NO .25 NO				
A 94W			P1-H4 P2-P2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO	2901061
A	99974	
SCALE-NONE	REV LTR ℮	SHEET 29 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 95B	2		E8-8 SHLD A95					.25 NO .25 NO				
A 95W			P1-H5 P2-P3					.15 NO .19 NO			7, 18 4	
A 96	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 96B	2		E8-8 SHLD A96					.25 NO .25 NO				
A 96W			P1-H6 P2-P4					.15 NO .19 NO			7, 18 4	
A 97	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 97B	2		E8-8 SHLD A97					.25 NO .25 NO				
A 97W			P1-H7 P2-P5					.15 NO .19 NO			7, 18 4	
A 98	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 98B	2		E8-8 SHLD A98					.25 NO .25 NO				
A 98W			P1-H8 P2-P6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO	2901061
A	99974	
SCALE-NONE	REV LTR ℮	SHEET 30 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 142	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 142B	2		E12-B SHLD A142					.25 NO .25 NO				
A 142W			P1-C17 P2-W2					.15 NO. .19 NO			7, 18 4	
A 143	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 143B	2		E12-B SHLD A143					.25 NO .25 NO				
A 143W			P1-C18 P2-W3					.15 NO .19 NO			7, 18 4	
A 144	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 144B	2		E12-B SHLD A144					.25 NO .25 NO				
A 144W			P1-C19 P2-W4					.15 NO .19 NO			7, 18 4	
A 145	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 145B	2		E12-B SHLD A145					.25 NO .25 NO				
A 145W			P1-C20 P2-W5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 39 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 146	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 146B	2		E12-B SHLD A146					.25 NO .25 NO				
A 146W			P1-C21 P2-W6					.15 NO .19 NO			7, 18 4	
A 147	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 147B	2		E12-B SHLD A147					.25 NO .25 NO				
A 147W			P1-C22 P2-W7					.15 NO .19 NO			7, 18 4	
A 148	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 148B	2		E12-B SHLD A149					.25 NO .25 NO				
A 148W			P1-C23 P2-W8					.15 NO .19 NO			7, 18 4	
A 149	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 149B	2		E12-B SHLD A149					.25 NO .25 NO				
A 149W			P1-C24 P2-X3					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 40 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 150B	2		E12-B SHLD A150					.25 NO .25 NO				
A 150W			P1-C25 P2-X4					.15 NO .19 NO			7, 18 4	
A 151	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 151B	2		E12-B SHLD A151					.25 NO .25 NO				
A 151W			P1-D16 P2-X5					.15 NO .19 NO			7, 18 4	
A 152	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 152B	2		E12-B SHLD A152					.25 NO .25 NO				
A 152W			P1-D17 P3-X5					.15 NO .19 NO			7, 18 4	
A 153	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 153B	2		E13-B SHLD A153					.25 NO .25 NO				
A 153W			P1-D18 P3-A3					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 41 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 154	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 154B	2		E13-B SHLD A154					.25 NO .25 NO				
A 154W			P1-D19 P3-A4					.15 NO .19 NO			7, 18 4	
A 155	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 155B	2		E13-B SHLD A155					.25 NO .25 NO				
A 155W			P1-D20 P3-A5					.15 NO .19 NO			7, 18 4	
A 156	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 156B	2		E13-B SHLD A156					.25 .25				
A 156W			P1-D21 P3-A6					.15 .19			7, 18 4	
A 157	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 157B	2		E13-B SHLD A157					.25 .25				
A 157W			P1-D22 P3-B1					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 42 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 158	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 1588	2		E13-B SHLD A158					.25 .25				
A 158W			P1-D23 P3-B2					.15 .19			7, 18 4	
A 159	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 1598	2		E13-B SHLD A159					.25 .25				
A 159W			P1-D24 P3-B3					.15 .19			7, 18 4	
A 160	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 1608	2		E13-B SHLD A160					.25 .25				
A 160W			P1-D25 P3-B4					.15 .19			7, 18 4	
A 161	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 161B	2		E13-B SHLD A161					.25 .25				
A 161W			P1-F16 P3-B5					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 43 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 1628	2		E13-B SHLD A162					.25 .25				
A 162W			P1-F17 P3-B6					.15 .19			7, 18 4	
A 163	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 163B	2		E13-B SHLD A163					.25 .25				
A 163W			P1-F18 P3-B7					.15 .19			7, 18 4	
A 164	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 164B	2		E13-B SHLD A164					.25 NO .25 NO				
A 164W			P1-F19 P3-B8					.15 NO .19 NO			7, 18 4	
A 165	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 165B	2		E14-B SHLD A165					.25 NO .25 NO				
A 165W			P1-F20 P3-C1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 44 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 166	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 1668	2		E14-B SHLD A166					.25 NO .25 NO				
A 166W			P1-F21 P3-C2					.15 NO .19 NO			7, 18 4	
A 167	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 1678	2		E14-B SHLD A167					.25 NO .25 NO				
A 167W			P1-F22 P3-C3					.15 NO .19 NO			7, 18 4	
A 168	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 1688	2		E14-B SHLD A168					.25 NO .25 NO				
A 168W			P1-F23 P3-C4					.15 NO .19 NO			7, 18 4	
A 169	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 169B	2		E14-B SHLD A169					.25 NO .25 NO				
A 169W			P1-F24 P3-C5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 45 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 170	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 170B	2		E14-B SHLD A170					.25 NO .25 NO				
A 170W			P1-F25 P3-C6					.15 NO .19 NO			7, 18 4	
A 171	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 171B	2		E14-B SHLD A171					.25 NO .25 NO				
A 171W			P1-G16 P3-C7					.15 NO .19 NO			7, 18 4	
A 172	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 172B	2		E14-B SHLD A172					.25 NO .25 NO				
A 172W			P1-G17 P3-C8					.15 NO .19 NO			7, 18 4	
A 173	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 173B	2		E14-B SHLD A173					.25 NO .25 NO				
A 173W			P1-G18 P3-D1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 46 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 174	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 174B	2		E14-B SHLD A174					.25 NO .25 NO				
A 174W			P1-G19 P3-D2					.15 NO .19 NO			7, 18 4	
A 175	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 175B	2		E14-B SHLD A175					.25 NO .25 NO				
A 175W			P1-G20 P3-D3					.15 NO .19 NO			7, 18 4	
A 176	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 176B	2		E14-B SHLD A176					.25 NO .25 NO				
A 176W			P1-G21 P3-D4					.15 NO .19 NO			7, 18 4	
A 177	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 177B	2		E15-B SHLD A177					.25 NO .25 NO				
A 177W			P1-G22 P3-D5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 47 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 178	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 178B	2		E15-B SHLD A178					.25 NO .25 NO				
A 178W			P1-G23 P3-D6					.15 NO .19 NO			7, 18 4	
A 179	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 179B	2		E15-B SHLD A179					.25 NO .25 NO				
A 179W			P1-G24 P3-D7					.15 NO .19 NO			7, 18 4	
A 180	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 180B	2		E15-B SHLD A180					.25 NO .25 NO				
A 180W			P1-G25 P3-D8					.15 NO .19 NO			7, 18 4	
A 181	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 181B	2		E15-B SHLD A181					.25 NO .25 NO				
A 181W			P1-H16 P3-F1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 48 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 182	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 182B	2		E15-B SHLD A182					.25 NO .25 NO				
A 182W			P1-H17 P3-F2					.15 NO .19 NO			7, 18 4	
A 183	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 183B	2		E15-B SHLD A183					.25 NO .25 NO				
A 183W			P1-H18 P3-F3					.15 NO .19 NO			7, 18 4	
A 184	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 184B	2		E15-B SHLD A184					.25 NO .25 NO				
A 184W			P1-H19 P3-F4					.15 NO .19 NO			7, 18 4	
A 185	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 185B	2		E15-B SHLD A185					.25 NO .25 NO				
A 185W			P1-H20 P3-F5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 49 OF 86

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 186	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 186B	2		E15-B SHLD A186					.25 NO .25 NO				
A 186W			P1-H21 P3-F6					.15 NO .19 NO			7, 18 4	
A 187	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 187B	2		E15-B SHLD A187					.25 NO .25 NO				
A 187W			P1-H22 P3-F7					.15 NO .19 NO			7, 18 4	
A 188	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 188B	2		E15-B SHLD A188					.25 NO .25 NO				
A 188W			P1-H23 P3-F8					.15 NO .19 NO			7, 18 4	
A 189	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 189B	2		E16-B SHLD A189					.25 NO .25 NO				
A 189W			P1-H24 P3-G1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 50 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 190	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 1908	2		E16-B SHLD A190					.25 NO .25 NO				
A 190W			P1-H25 P3-G2					.15 NO .19 NO			7, 18 4	
A 191	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 1918	2		E16-B SHLD A191					.25 NO .25 NO				
A 191W			P1-K16 P3-G3					.15 NO .19 NO			7, 18 4	
A 192	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 1928	2		E16-B SHLD A192					.25 NO .25 NO				
A 192W			P1-K17 P3-G4					.15 NO .19 NO			7, 18 4	
A 200	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2008	2		E16-B SHLD A200					.25 NO .25 NO				
A 200W			P1-K25 P3-H4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR 8E	SHEET 51 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 201	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2018	2		E16-B SHLD A201					.25 NO .25 NO				
A 201W			P1-A26 P3-H5					.15 NO .19 NO			7, 18 4	
A 202	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2028	2		E16-B SHLD A202					.25 NO .25 NO				
A 202W			P1-A27 P3-H6					.15 NO .19 NO			7, 18 4	
A 203	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2038	2		E16-B SHLD A203					.25 NO .25 NO				
A 203W			P1-A28 P3-H7					.15 NO .19 NO			7, 18 4	
A 204	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2048	2		E16-B SHLD A204					.25 NO .25 NO				
A 204W			P1-A29 P3-H8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR 8E	SHEET 52 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 205	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2058	2		E16-B SHLD A205					.25 NO .25 NO				
A 205W			P1-A30 P3-J1					.15 NO .19 NO			7, 18 4	
A 206	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2068	2		E16-B SHLD A206					.25 NO .25 NO				
A 206W			P1-A31 P3-J2					.15 NO .19 NO			7, 18 4	
A 207	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2078	2		E16-B SHLD A207					.25 NO .25 NO				
A 207W			P1-A32 P3-J3					.15 NO .19 NO			7, 18 4	
A 208	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2088	2		E17-B SHLD A208					.25 NO .25 NO				
A 208W			P1-A33 P3-J4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR 8E	SHEET 53 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2098	2		E17-B SHLD A209					.25 NO .25 NO				
A 209W			P1-A34 P3-J5					.15 NO .19 NO			7, 18 4	
A 210	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2108	2		E17-B SHLD A210					.25 NO .25 NO				
A 210W			P1-A35 P3-J6					.15 NO .19 NO			7, 18 4	
A 211	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2118	2		E17-B SHLD A211					.25 NO .25 NO				
A 211W			P1-826 P3-J7					.15 NO .19 NO			7, 18 4	
A 212	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2128	2		E17-B SHLD A212					.25 NO .25 NO				
A 212W			P1-827 P3-J8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR 8E	SHEET 54 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 213	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2138	2		E17-B SHLD A213					.25 NO .25 NO				
A 213W			P1-B28 P3-K1					.15 NO .19 NO			7, 18 4	
A 214	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2148	2		E17-B SHLD A214					.25 NO .25 NO				
A 214W			P1-B29 P3-K2					.15 NO .19 NO			7, 18 4	
A 215	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2158	2		E17-B SHLD A215					.25 NO .25 NO				
A 215W			P1-B30 P3-K3					.15 NO .19 NO			7, 18 4	
A 216	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2168	2		E17-B SHLD A216					.25 NO .25 NO				
A 216W			P1-B31 P3-K6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ∗E	SHEET 55 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 217	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2178	2		E17-B SHLD A217					.25 NO .25 NO				
A 217W			P1-B32 P3-K7					.15 NO .19 NO			7, 18 4	
A 218	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2188	2		E17-B SHLD A218					.25 NO .25 NO				
A 218W			P1-B33 P3-K8					.15 NO .19 NO			7, 18 4	
A 219	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2198	2		E17-B SHLD A219					.25 NO .25 NO				
A 219W			P1-B34 P3-L1					.15 NO .19 NO			7, 18 4	
A 220	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2208	2		E18-B SHLD A220					.25 .25				
A 220W			P1-B35 P3-L2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ∗E	SHEET 56 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2218	2		E18-B SHLD A221					.25 .25				
A 221W			P1-C26 P3-L7					.15 .19			7, 18 4	
A 222	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2228	2		E18-B SHLD A222					.25 .25				
A 222W			P1-C27 P3-L8					.15 .19			7, 18 4	
A 223	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2238	2		E18-B SHLD A223					.25 .25				
A 223W			P1-C28 P3-M1					.15 .19			7, 18 4	
A 224	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2248	2		E18-B SHLD A224					.25 .25				
A 224W			P1-C29 P3-M2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ∗E	SHEET 57 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 225	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2258	2		E18-B SHLD A225					.25 .25				
A 225W			P1-C30 P3-M3					.15 .19			7, 18 4	
A 226	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2268	2		E18-B SHLD A226					.25 .25				
A 226W			P1-C31 P3-M6					.15 .19			7, 18 4	
A 227	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2278	2		E18-B SHLD A227					.25 .25				
A 227W			P1-C32 P3-M7					.15 .19			7, 18 4	
A 228	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2288	2		E18-B SHLD A228					.25 NO .25 NO				
A 228W			P1-C33 P3-M8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ∗E	SHEET 58 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 245	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 245B	2		E20-B SHLD A245					.25 NO .25 NO				
A 245W			P1-F30 P3-R1					.15 NO .19 NO			7, 18 4	
A 246	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 246B	2		E20-B SHLD A246					.25 NO .25 NO				
A 246W			P1-F31 P3-R2					.15 NO .19 NO			7, 18 4	
A 247	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 247B	2		E20-B SHLD A247					.25 NO .25 NO				
A 247W			P1-F32 P3-R3					.15 NO .19 NO			7, 18 4	
A 248	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 248B	2		E20-B SHLD A248					.25 NO .25 NO				
A 248W			P1-F33 P3-R4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 63 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 249B	2		E20-B SHLD A249					.25 NO .25 NO				
A 249W			P1-F34 P3-R5					.15 NO .19 NO			7, 18 4	
A 250	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 250B	2		E20-B SHLD A250					.25 NO .25 NO				
A 250W			P1-F35 P3-R6					.15 NO .19 NO			7, 18 4	
A 251	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 251B	2		E20-B SHLD A251					.25 NO .25 NO				
A 251W			P1-G26 P3-R7					.15 NO .19 NO			7, 18 4	
A 252	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 252B	2		E20-B SHLD A252					.25 NO .25 NO				
A 252W			P1-G27 P3-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 64 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 253B	2		E20-B SHLD A253					.25 NO .25 NO				
A 253W			P1-G28 P3-S1					.15 NO .19 NO			7, 18 4	
A 254	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 254B	2		E20-B SHLD A254					.25 NO .25 NO				
A 254W			P1-G29 P3-S2					.15 NO .19 NO			7, 18 4	
A 255	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 255B	2		E20-B SHLD A255					.25 NO .25 NO				
A 255W			P1-G30 P3-S3					.15 NO .19 NO			7, 18 4	
A 256	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 256B	2		E21-B SHLD A256					.25 NO .25 NO				
A 256W			P1-G31 P3-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 65 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 257	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 257B	2		E21-B SHLD A257					.25 NO .25 NO				
A 257W			P1-G32 P3-S5					.15 NO .19 NO			7, 18 4	
A 258	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 258B	2		E21-B SHLD A258					.25 NO .25 NO				
A 258W			P1-G33 P3-S6					.15 NO .19 NO			7, 18 4	
A 259	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 259B	2		E21-B SHLD A259					.25 NO .25 NO				
A 259W			P1-G34 P3-S7					.15 NO .19 NO			7, 18 4	
A 260	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 260B	2		E21-B SHLD A260					.25 NO .25 NO				
A 260W			P1-G35 P3-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 66 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 311	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3118	2		E25-B SHLD A311					.25 NO .25 NO				
A 311W			P1-G36 P4-B3					.15 NO .19 NO			7, 18 4	
A 312	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 312B	2		E25-B SHLD A312					.25 NO .25 NO				
A 312W			P1-G37 P4-B4					.15 NO .19 NO			7, 18 4	
A 313	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 313B	2		E25-B SHLD A313					.25 NO .25 NO				
A 313W			P1-G38 P4-B5					.15 NO .19 NO			7, 18 4	
A 314	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3148	2		E25-B SHLD A314					.25 NO .25 NO				
A 314W			P1-G39 P4-B6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 79 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 315	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3158	2		E25-B SHLD A315					.25 NO .25 NO				
A 315W			P1-G40 P4-B7					.15 NO .19 NO			7, 18 4	
A 316	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 316B	2		E25-B SHLD A316					.25 NO .25 NO				
A 316W			P1-G41 P4-B8					.15 NO .19 NO			7, 18 4	
A 317	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3178	2		E25-B SHLD A317					.25 NO .25 NO				
A 317W			P1-H36 P4-C1					.15 NO .19 NO			7, 18 4	
A 318	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3188	2		E26-B SHLD A318					.25 NO .25 NO				
A 318W			P1-H37 P4-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 80 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 319	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3198	2		E26-B SHLD A319					.25 NO .25 NO				
A 319W			P1-H38 P4-C3					.15 NO .19 NO			7, 18 4	
A 320	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3208	2		E26-B SHLD A320					.25 NO .25 NO				
A 320W			P1-H39 P4-C4					.15 NO .19 NO			7, 18 4	
A 321	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3218	2		E26-B SHLD A321					.25 NO .25 NO				
A 321W			P1-H40 P4-C5					.15 NO .19 NO			7, 18 4	
A 322	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3228	2		E26-B SHLD A322					.25 NO .25 NO				
A 322W			P1-H41 P4-C6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 81 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 323	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 3238	2		E26-B SHLD A323					.25 NO .25 NO				
A 323W			P1-K36 P4-C7					.15 NO .19 NO			7, 18 4	
A 324	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 3248	2		E26-B SHLD A324					.25 NO .25 NO				
A 324W			P1-K37 P4-C8					.15 NO .19 NO			7, 18 4	
A 325	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 3258	2		E26-B SHLD A325					.25 NO .25 NO				
A 325W			P1-K38 P4-D1					.15 NO .19 NO			7, 18 4	
A 326	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 3268	2		E26-B SHLD A326					.25 NO .25 NO				
A 326W			P1-K39 P4-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 82 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 327	6		E1-88					.25	NO			
			E27-8					.25	NO			
A 328	6		E2-88					.25	NO			
			E27-8					.25	NO			
A 329	6		E3-88					.25	NO			
			E27-8					.25	NO			
A 330	6		E4-88					.25	NO			
			E27-8					.25	NO			
A 331	6		E5-88					.25	NO			
			E27-8					.25	NO			
A 332	6		E6-88					.25	NO			
			E27-8					.25	NO			
A 333	6		E7-88					.25	NO			
			E27-8					.25	NO			
A 334	6		E8-88					.25	NO			
			E27-8					.25	NO			
A 335	6		E9-88					.25	NO			
			E27-8					.25	NO			
A 336	6		E10-88					.25	NO			
			E27-8					.25	NO			
A 337	6		E11-88					.25	NO			
			E27-8					.25	NO			
A 338	6		E12-88					.25	NO			
			E27-8					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR €€	SHEET 83 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 339	6		E13-88					.25	NO			
			E28-8					.25	NO			
A 340	6		E14-88					.25	NO			
			E28-8					.25	NO			
A 341	6		E15-88					.25	NO			
			E28-8					.25	NO			
A 342	6		E16-88					.25	NO			
			E28-8					.25	NO			
A 343	6		E17-88					.25	NO			
			E28-8					.25	NO			
A 344	6		E18-88					.25	NO			
			E28-8					.25	NO			
A 345	6		E19-88					.25	NO			
			E28-8					.25	NO			
A 346	6		E20-88					.25	NO			
			E28-8					.25	NO			
A 347	6		E21-88					.25	NO			
			E28-8					.25	NO			
A 348	6		E22-88					.25	NO			
			E28-8					.25	NO			
A 349	6		E23-88					.25	NO			
			E28-8					.25	NO			
A 350	6		E24-88					.25	NO			
			E28-8					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR €€	SHEET 84 OF 86

MIL 2084 9-85

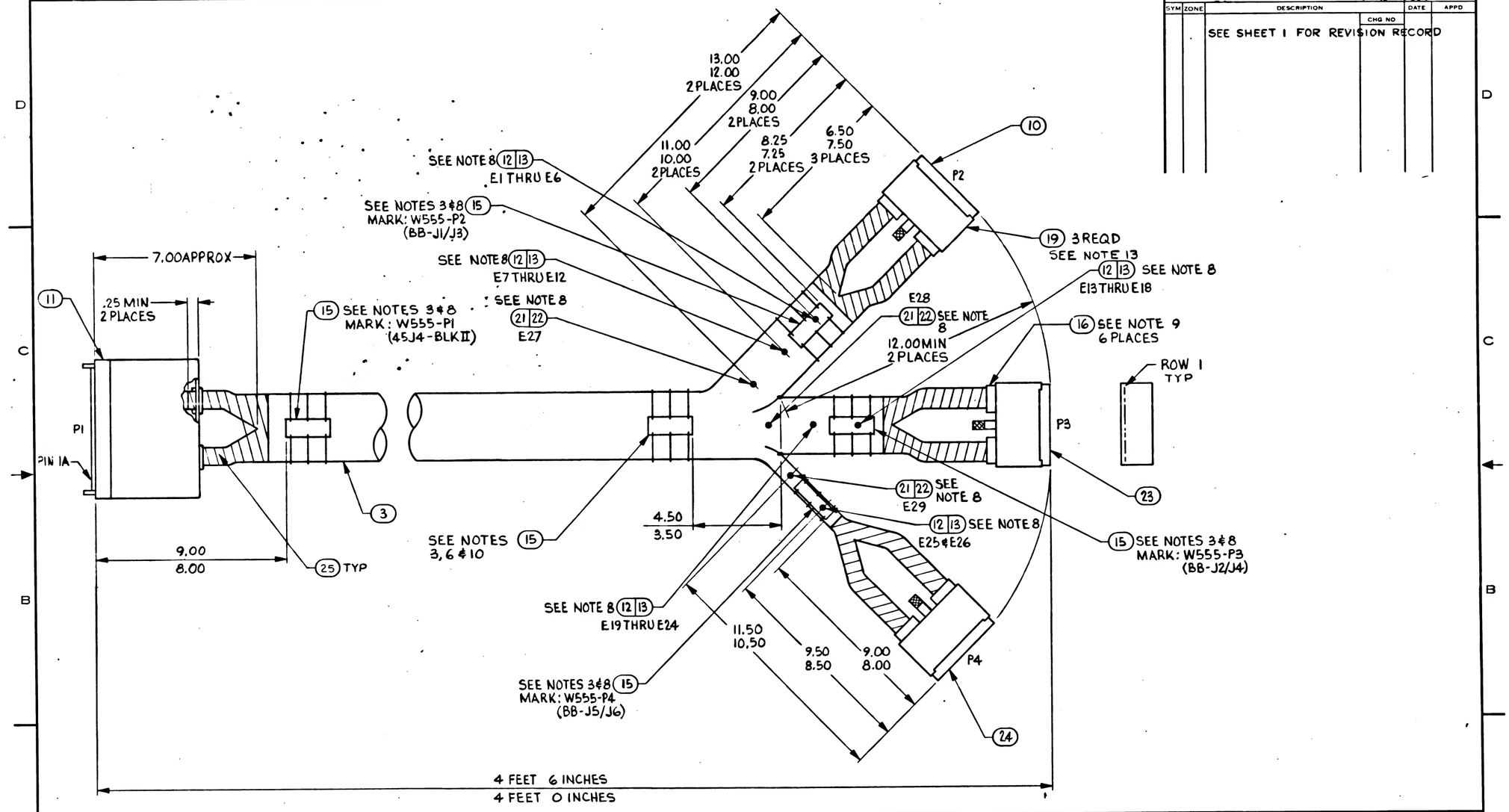
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 351	6		E25-88					.25	NO			
			E29-8					.25	NO			
A 352	6		E26-88					.25	NO			
			E29-8					.25	NO			
A 353	5		E27-88					.25	NO			
			P2-X6					.19	NO		26	
A 354	5		E28-88					.25	NO			
			P3-X6					.19	NO		26	
A 355	5		E29-88					.25	NO			
			P4-X6					.19	NO		26	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR €€	SHEET 85 OF 86

MIL 2084 9-85

1901062

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± 3 PLACE ± DECIMALS ± DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
			DRAWN SPLANE 9 DEC 65 DATE	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W555
			CHECKED Hawley 2 MAR 66	
		DO NOT SCALE THIS DRAWING	APPROVAL L. G. Hawley 5/2/66	
2901076-011 NEXT ASSY	2901076-011 USED ON	MATERIAL —	CONTRACT NAS9-479	SIZE D · CODE IDENT NO. 99974 · 2901061
APPLICATION		APPROVAL	NASA APPROVAL G. C. Miller 5-2-66	SCALE NONE · SHEET 86 OF 86
			MIT APPROVAL Wm Am 1 5-2-66	

APPLICATION	
NEXT ASSY	USED ON
2901076-011	2901076-011

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
B	REPLACES REV A WITH CHANGE PER MXC-209929	16-MAR-66	JB.
C	REVISED PER MXC 210281	31 MAR 66	R AU
D	REVISED PER MXC 211607	22-APR 66	M. &
(M) E	INITIAL RELEASE CLASS A PER TDRR 28604	2-MAY 66	PG E F
F	REVISED PER TDRR 30452	16 AUG 66	PH. JI

REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E	E	E
SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
REV STATUS OF SHEETS	REV							F	F	F	E	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E
	SHEET							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

$PLANE 9 DEC 65 (DRAFTSMAN, DAY MO YR)
CHECKER Gaylord 2 MAR 66
ENGINEER [illegible] 3 MAR 66
APPROVAL C Johnson 5/MAR
CONTR NO. NAS9-497
NASA APPROVAL
MIT APPROVAL

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W555

SIZE	CODE IDENT. NO	
A	99974	2901061
SCALE NONE		SHEET 1 OF 86

MIL 1377A6 12-65

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	E	80	E														
47	E	81	E														
48	E	82	E														
49	E	83	E														
50	E	84	E														
51	E	85	E														
52	E	86	F														
53	E																
54	E																
55	E																
56	E																
57	E																
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71	E																
72	E																
73	E																
74	E																
75	F																
76	E																
77	E																
78	E																
79	E																

SIZE	CODE IDENT. NO.	
A	99974	2901061
SCALE NONE	REV LTR F	SHEET 2 OF 86

MIL 1377A3 8-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3	1			7.25 6.25	7.00 6.00				6,7 A,6A	9 8, 9	
A	3B	2	E1-B SHLD A3					.25 NO .25 NO				
A	3W		P1-A3 P2-A5					.15 NO .19 NO			7, 18 4	
A	4	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2	E1-B SHLD A4					.25 NO .25 NO				
A	4W		P1-A4 P2-A6					.15 NO .19 NO			7, 18 4	
A	5	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2	E1-B SHLD A5					.25 NO .25 NO				
A	5W		P1-A5 P2-B1					.15 NO .19 NO			7, 18 4	
A	6	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2	E1-B SHLD A6					.25 NO .25 NO				
A	6W		P1-A6 P2-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 7 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2	E1-B SHLD A7					.25 NO .25 NO				
A	7W		P1-A7 P2-B3					.15 NO .19 NO			7, 18 4	
A	8	1			7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2	E1-B SHLD A8					.25 NO .25 NO				
A	8W		P1-A8 P2-B4					.15 NO .19 NO			7, 18 4	
A	9	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2	E1-B SHLD A9					.25 NO .25 NO				
A	9W		P1-A9 P2-B5					.15 NO .19 NO			7, 18 4	
A	10	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2	E1-B SHLD A10					.25 NO .25 NO				
A	10W		P1-A10 P2-B6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 8 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	11	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2	E1-B SHLD A11					.25 NO .25 NO				
A	11W		P1-A11 P2-B7					.15 NO .19 NO			7, 18 4	
A	12	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2	E1-B SHLD A12					.25 NO .25 NO				
A	12W		P1-A12 P2-B8					.15 NO .19 NO			7, 18 4	
A	13	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2	E1-B SHLD A13					.25 NO .25 NO				
A	13W		P1-A13 P2-C1					.15 NO .19 NO			7, 18 4	
A	14	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2	E1-B SHLD A14					.25 NO .25 NO				
A	14W		P1-A14 P2-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 9 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	15	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2	E2-B SHLD A15					.25 NO .25 NO				
A	15W		P1-A15 P2-C3					.15 NO .19 NO			7, 18 4	
A	16	1			7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2	E2-B SHLD A16					.25 NO .25 NO				
A	16W		P1-B1 P2-C4					.15 NO .19 NO			7, 18 4	
A	17	1			6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A	17B	2	E2-B SHLD A17					.25 NO .25 NO				
A	17W		P1-B2 P2-C5					.15 NO .19 NO			7, 18 4	
A	18	1			6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A	18B	2	E2-B SHLD A18					.25 .25				
A	18W		P1-B3 P2-C6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 10 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 35	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 35B	2		E3-B SHLD A35					.25 NO .25 NO				
A 35W			P1-C5 P2-E7					.15 NO .19 NO			7, 18 4	
A 36	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 36B	2		E3-B SHLD A36					.25 NO .25 NO				
A 36W			P1-C6 P2-E8					.15 NO .19 NO			7, 18 4	
A 37	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 37B	2		E3-B SHLD A37					.25 NO .25 NO				
A 37W			P1-C7 P2-F1					.15 NO .19 NO			7, 18 4	
A 38	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 38B	2		E3-B SHLD A38					.25 NO .25 NO				
A 38W			P1-C8 P2-F2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 15 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 39	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 NO .25 NO				
A 39W			P1-C9 P2-F3					.15 NO .19 NO			7, 18 4	
A 40	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 NO .25 NO				
A 40W			P1-C10 P2-F4					.15 NO .19 NO			7, 18 4	
A 41	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 41B	2		E4-B SHLD A41					.25 NO .25 NO				
A 41W			P1-C11 P2-F5					.15 NO .19 NO			7, 18 4	
A 42	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 42B	2		E4-B SHLD A42					.25 NO .25 NO				
A 42W			P1-C12 P2-F6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 16 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 43	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 43B	2		E4-B SHLD A43					.25 NO .25 NO				
A 43W			P1-C13 P2-F7					.15 NO .19 NO			7, 18 4	
A 44	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 44B	2		E4-B SHLD A44					.25 NO .25 NO				
A 44W			P1-C14 P2-F8					.15 NO .19 NO			7, 18 4	
A 45	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 45B	2		E4-B SHLD A45					.25 NO .25 NO				
A 45W			P1-C15 P2-G1					.15 NO .19 NO			7, 18 4	
A 46	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 46B	2		E4-B SHLD A46					.25 NO .25 NO				
A 46W			P1-D1 P2-G2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 17 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 47B	2		E4-B SHLD A47					.25 NO .25 NO				
A 47W			P1-D2 P2-G3					.15 NO .19 NO			7, 18 4	
A 48	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 48B	2		E4-B SHLD A48					.25 NO .25 NO				
A 48W			P1-D3 P2-G4					.15 NO .19 NO			7, 18 4	
A 49	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 49B	2		E4-B SHLD A49					.25 NO .25 NO				
A 49W			P1-D4 P2-G5					.15 NO .19 NO			7, 18 4	
A 50	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 50B	2		E4-B SHLD A50					.25 NO .25 NO				
A 50W			P1-D5 P2-G6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 18 OF 86

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	67	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A	678	2		E6-B SHLD A67					.25 NO .25 NO				
A	67W			P1-F7 P2-J7					.15 NO .19 NO			7, 18 4	
A	68	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A	688	2		E6-B SHLD A68					.25 NO .25 NO				
A	68W			P1-F8 P2-J8					.15 NO .19 NO			7, 18 4	
A	69	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A	698	2		E6-B SHLD A69					.25 NO .25 NO				
A	69W			P1-F9 P2-K1					.15 NO .19 NO			7, 18 4	
A	70	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	708	2		E6-B SHLD A70					.25 NO .25 NO				
A	70W			P1-F10 P2-K2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 23 OF 86

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	71	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	718	2		E6-B SHLD A71					.25 NO .25 NO				
A	71W			P1-F11 P2-K3					.15 NO .19 NO			7, 18 4	
A	72	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	728	2		E6-B SHLD A72					.25 NO .25 NO				
A	72W			P1-F12 P2-K6					.15 NO .19 NO			7, 18 4	
A	73	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	738	2		E6-B SHLD A73					.25 NO .25 NO				
A	73W			P1-F13 P2-K7					.15 NO .19 NO			7, 18 4	
A	74	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	748	2		E6-B SHLD A74					.25 NO .25 NO				
A	74W			P1-F14 P2-K8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 24 OF 86

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	75	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	758	2		E7-B SHLD A75					.25 NO .25 NO				
A	75W			P1-F15 P2-L1					.15 NO .19 NO			7, 18 4	
A	76	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	768	2		E7-B SHLD A76					.25 NO .25 NO				
A	76W			P1-G1 P2-L2					.15 NO .19 NO			7, 18 4	
A	77	1				7.75 6.75	7.00 6.00				8,7 A,6A	9 8, 9	
A	778	2		E7-B SHLD A77					.25 NO .25 NO				
A	77W			P1-G2 P2-L7					.15 NO .19 NO			7, 18 4	
A	78	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	788	2		E7-B SHLD A78					.25 NO .25 NO				
A	78W			P1-G3 P2-L8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 25 OF 86

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	79	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	798	2		E7-B SHLD A79					.25 NO .25 NO				
A	79W			P1-G4 P2-M1					.15 NO .19 NO			7, 18 4	
A	80	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	808	2		E7-B SHLD A80					.25 NO .25 NO				
A	80W			P1-G5 P2-M2					.15 NO .19 NO			7, 18 4	
A	81	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	818	2		E7-B SHLD A81					.25 NO .25 NO				
A	81W			P1-G6 P2-M3					.15 NO .19 NO			7, 18 4	
A	82	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	828	2		E7-B SHLD A82					.25 NO .25 NO				
A	82W			P1-G7 P2-M6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 26 OF 86

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE DWG, FIG	ACCESSORY ITEMS	REMARKS
A 99	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 99B	2		E9-B SHLD A99					.25 NO .25 NO				
A 99W			P1-H9 P2-P7					.15 NO .19 NO			7, 18 4	
A 100	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 100B	2		E9-B SHLD A100					.25 NO .25 NO				
A 100W			P1-H10 P2-P8					.15 NO .19 NO			7, 18 4	
A 101	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 101B	2		E9-B SHLD A101					.25 NO .25 NO				
A 101W			P1-H11 P2-R1					.15 NO .19 NO			7, 18 4	
A 102	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 102B	2		E9-B SHLD A102					.25 NO .25 NO				
A 102W			P1-H12 P2-R2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 31 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE DWG, FIG	ACCESSORY ITEMS	REMARKS
A 103	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 103B	2		E9-B SHLD A103					.25 NO .25 NO				
A 103W			P1-H13 P2-R3					.15 NO .19 NO			7, 18 4	
A 104	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 104B	2		E9-B SHLD A104					.25 NO .25 NO				
A 104W			P1-H14 P2-R4					.15 NO .19 NO			7, 18 4	
A 105	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 105B	2		E9-B SHLD A105					.25 NO .25 NO				
A 105W			P1-H15 P2-R5					.15 NO .19 NO			7, 18 4	
A 108	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 108B	2		E9-B SHLD A108					.25 NO .25 NO				
A 108W			P1-K3 P2-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 32 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE DWG, FIG	ACCESSORY ITEMS	REMARKS
A 109	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 109B	2		E9-B SHLD A109					.25 NO .25 NO				
A 109W			P1-K4 P2-S1					.15 NO .19 NO			7, 18 4	
A 110	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 110B	2		E9-B SHLD A110					.25 NO .25 NO				
A 110W			P1-K5 P2-S2					.15 NO .19 NO			7, 18 4	
A 111	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 111B	2		E9-B SHLD A111					.25 NO .25 NO				
A 111W			P1-K6 P2-S3					.15 NO .19 NO			7, 18 4	
A 112	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 112B	2		E9-B SHLD A112					.25 NO .25 NO				
A 112W			P1-K7 P2-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 33 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE DWG, FIG	ACCESSORY ITEMS	REMARKS
A 113	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 113B	2		E10-B SHLD A113					.25 NO .25 NO				
A 113W			P1-K8 P2-S5					.15 NO .19 NO			7, 18 4	
A 114	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 114B	2		E10-B SHLD A114					.25 NO .25 NO				
A 114W			P1-K9 P2-S6					.15 NO .19 NO			7, 18 4	
A 115	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 115B	2		E10-B SHLD A115					.25 NO .25 NO				
A 115W			P1-K10 P2-S7					.15 NO .19 NO			7, 18 4	
A 116	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 116B	2		E10-B SHLD A116					.25 NO .25 NO				
A 116W			P1-K11 P2-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 34 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 142	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 142B	2		E12-B SHLD A142					.25 .25	NO NO			
A 142W			P1-C17 P2-W2					.15 .19	NO NO		7, 18 4	
A 143	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 143B	2		E12-B SHLD A143					.25 .25	NO NO			
A 143W			P1-C18 P2-W3					.15 .19	NO NO		7, 18 4	
A 144	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 144B	2		E12-B SHLD A144					.25 .25	NO NO			
A 144W			P1-C19 P2-W4					.15 .19	NO NO		7, 18 4	
A 145	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 145B	2		E12-B SHLD A145					.25 .25	NO NO			
A 145W			P1-C20 P2-W5					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 39 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 146	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 146B	2		E12-B SHLD A146					.25 .25	NO NO			
A 146W			P1-C21 P2-W6					.15 .19	NO NO		7, 18 4	
A 147	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 147B	2		E12-B SHLD A147					.25 .25	NO NO			
A 147W			P1-C22 P2-W7					.15 .19	NO NO		7, 18 4	
A 148	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 148B	2		E12-B SHLD A149					.25 .25	NO NO			
A 148W			P1-C23 P2-W8					.15 .19	NO NO		7, 18 4	
A 149	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 149B	2		E12-B SHLD A149					.25 .25	NO NO			
A 149W			P1-C24 P2-X3					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 40 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 150B	2		E12-B SHLD A150					.25 .25	NO NO			
A 150W			P1-C25 P2-X4					.15 .19	NO NO		7, 18 4	
A 151	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 151B	2		E12-B SHLD A151					.25 .25	NO NO			
A 151W			P1-D16 P2-X5					.15 .19	NO NO		7, 18 4	
A 152	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 152B	2		E24-B SHLD A152					.25 .25	NO NO			
A 152W			P1-D17 P3-X5					.15 .19	NO NO		7, 18 4	
A 153	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 153B	2		E13-B SHLD A153					.25 .25	NO NO			
A 153W			P1-D18 P3-A3					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR F	SHEET 41 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 154	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 154B	2		E13-B SHLD A154					.25 .25	NO NO			
A 154W			P1-D19 P3-A4					.15 .19	NO NO		7, 18 4	
A 155	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 155B	2		E13-B SHLD A155					.25 .25	NO NO			
A 155W			P1-D20 P3-A5					.15 .19	NO NO		7, 18 4	
A 156	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 156B	2		E13-B SHLD A156					.25 .25				
A 156W			P1-D21 P3-A6					.15 .19			7, 18 4	
A 157	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 157B	2		E13-B SHLD A157					.25 .25				
A 157W			P1-D22 P3-B1					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 42 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 190	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 1908	2		E16-B SHLD A190					.25 .25	NO NO			
A 190W			P1-H25 P3-G2					.15 .19	NO NO		7, 18 4	
A 191	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 191B	2		E16-B SHLD A191					.25 .25	NO NO			
A 191W			P1-K16 P3-G3					.15 .19	NO NO		7, 18 4	
A 192	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 192B	2		E16-B SHLD A192					.25 .25	NO NO			
A 192W			P1-K17 P3-G4					.15 .19	NO NO		7, 18 4	
A 200	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 2008	2		E16-B SHLD A200					.25 .25	NO NO			
A 200W			P1-K25 P3-H4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 51 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 201	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 2018	2		E16-B SHLD A201					.25 .25	NO NO			
A 201W			P1-A26 P3-H5					.15 .19	NO NO		7, 18 4	
A 202	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 2028	2		E16-B SHLD A202					.25 .25	NO NO			
A 202W			P1-A27 P3-H6					.15 .19	NO NO		7, 18 4	
A 203	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 2038	2		E16-B SHLD A203					.25 .25	NO NO			
A 203W			P1-A28 P3-H7					.15 .19	NO NO		7, 18 4	
A 204	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2048	2		E16-B SHLD A204					.25 .25	NO NO			
A 204W			P1-A29 P3-H8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 52 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 205	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2058	2		E16-B SHLD A205					.25 .25	NO NO			
A 205W			P1-A30 P3-J1					.15 .19	NO NO		7, 18 4	
A 206	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2068	2		E16-B SHLD A206					.25 .25	NO NO			
A 206W			P1-A31 P3-J2					.15 .19	NO NO		7, 18 4	
A 207	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2078	2		E16-B SHLD A207					.25 .25	NO NO			
A 207W			P1-A32 P3-J3					.15 .19	NO NO		7, 18 4	
A 208	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2088	2		E17-B SHLD A208					.25 .25	NO NO			
A 208W			P1-A33 P3-J4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 53 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2098	2		E17-B SHLD A209					.25 .25	NO NO			
A 209W			P1-A34 P3-J5					.15 .19	NO NO		7, 18 4	
A 210	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2108	2		E17-B SHLD A210					.25 .25	NO NO			
A 210W			P1-A35 P3-J6					.15 .19	NO NO		7, 18 4	
A 211	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2118	2		E17-B SHLD A211					.25 .25	NO NO			
A 211W			P1-B26 P3-J7					.15 .19	NO NO		7, 18 4	
A 212	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 2128	2		E17-B SHLD A212					.25 .25	NO NO			
A 212W			P1-B27 P3-J8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 54 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 213	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 213B	2		E17-B SHLD A213					.25 NO .25 NO				
A 213W			P1-B28 P3-K1					.15 NO .19 NO			7, 18 4	
A 214	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 214B	2		E17-B SHLD A214					.25 NO .25 NO				
A 214W			P1-B29 P3-K2					.15 NO .19 NO			7, 18 4	
A 215	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 215B	2		E17-B SHLD A215					.25 NO .25 NO				
A 215W			P1-B30 P3-K3					.15 NO .19 NO			7, 18 4	
A 216	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 216B	2		E17-B SHLD A216					.25 NO .25 NO				
A 216W			P1-B31 P3-K6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 55 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 217	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 217B	2		E17-B SHLD A217					.25 NO .25 NO				
A 217W			P1-B32 P3-K7					.15 NO .19 NO			7, 18 4	
A 218	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 218B	2		E17-B SHLD A218					.25 NO .25 NO				
A 218W			P1-B33 P3-K8					.15 NO .19 NO			7, 18 4	
A 219	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 219B	2		E17-B SHLD A219					.25 NO .25 NO				
A 219W			P1-B34 P3-L1					.15 NO .19 NO			7, 18 4	
A 220	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 220B	2		E18-B SHLD A220					.25 .25				
A 220W			P1-B35 P3-L2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 56 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 221B	2		E18-B SHLD A221					.25 .25				
A 221W			P1-C26 P3-L7					.15 .19			7, 18 4	
A 222	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 222B	2		E18-B SHLD A222					.25 .25				
A 222W			P1-C27 P3-L8					.15 .19			7, 18 4	
A 223	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 223B	2		E18-B SHLD A223					.25 .25				
A 223W			P1-C28 P3-M1					.15 .19			7, 18 4	
A 224	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 224B	2		E18-B SHLD A224					.25 .25				
A 224W			P1-C29 P3-M2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 57 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 225	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 225B	2		E18-B SHLD A225					.25 .25				
A 225W			P1-C30 P3-M3					.15 .19			7, 18 4	
A 226	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 226B	2		E18-B SHLD A226					.25 .25				
A 226W			P1-C31 P3-M6					.15 .19			7, 18 4	
A 227	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 227B	2		E18-B SHLD A227					.25 .25				
A 227W			P1-C32 P3-M7					.15 .19			7, 18 4	
A 228	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 228B	2		E18-B SHLD A228					.25 NO .25 NO				
A 228W			P1-C33 P3-M8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 58 OF 86

MIL 2004 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 245	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 245B	2		E20-B SHLD A245					.25 .25	NO NO			
A 245W			P1-F30 P3-R1					.15 .19	NO NO		7, 18 4	
A 246	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 246B	2		E20-B SHLD A246					.25 .25	NO NO			
A 246W			P1-F31 P3-R2					.15 .19	NO NO		7, 18 4	
A 247	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 247B	2		E20-B SHLD A247					.25 .25	NO NO			
A 247W			P1-F32 P3-R3					.15 .19	NO NO		7, 18 4	
A 248	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 248B	2		E20-B SHLD A248					.25 .25	NO NO			
A 248W			P1-F33 P3-R4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 63 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 249B	2		E20-B SHLD A249					.25 .25	NO NO			
A 249W			P1-F34 P3-R5					.15 .19	NO NO		7, 18 4	
A 250	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 250B	2		E20-B SHLD A250					.25 .25	NO NO			
A 250W			P1-F35 P3-R6					.15 .19	NO NO		7, 18 4	
A 251	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 251B	2		E20-B SHLD A251					.25 .25	NO NO			
A 251W			P1-G26 P3-R7					.15 .19	NO NO		7, 18 4	
A 252	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 252B	2		E20-B SHLD A252					.25 .25	NO NO			
A 252W			P1-G27 P3-R8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 64 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 253B	2		E20-B SHLD A253					.25 .25	NO NO			
A 253W			P1-G28 P3-S1					.15 .19	NO NO		7, 18 4	
A 254	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 254B	2		E20-B SHLD A254					.25 .25	NO NO			
A 254W			P1-G29 P3-S2					.15 .19	NO NO		7, 18 4	
A 255	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 255B	2		E20-B SHLD A255					.25 .25	NO NO			
A 255W			P1-G30 P3-S3					.15 .19	NO NO		7, 18 4	
A 256	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 256B	2		E21-B SHLD A256					.25 .25	NO NO			
A 256W			P1-G31 P3-S4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 65 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 257	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 257B	2		E21-B SHLD A257					.25 .25	NO NO			
A 257W			P1-G32 P3-S5					.15 .19	NO NO		7, 18 4	
A 258	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 258B	2		E21-B SHLD A258					.25 .25	NO NO			
A 258W			P1-G33 P3-S6					.15 .19	NO NO		7, 18 4	
A 259	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 259B	2		E21-B SHLD A259					.25 .25	NO NO			
A 259W			P1-G34 P3-S7					.15 .19	NO NO		7, 18 4	
A 260	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 260B	2		E21-B SHLD A260					.25 .25	NO NO			
A 260W			P1-G35 P3-S8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 66 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 261B	2		E21-B SHLD A261					.25 .25	NO NO			
A 261W			P1-H26 P3-T1					.15 .19	NO NO		7, 18 4	
A 262	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 262B	2		E21-B SHLD A262					.25 .25	NO NO			
A 262W			P1-H27 P3-T2					.15 .19	NO NO		7, 18 4	
A 263	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 263B	2		E21-B SHLD A263					.25 .25	NO NO			
A 263W			P1-H28 P3-T3					.15 .19	NO NO		7, 18 4	
A 264	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 264B	2		E21-B SHLD A264					.25 .25	NO NO			
A 264W			P1-H29 P3-T4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061

SCALE-NONE | REV LTR *E | SHEET 67 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 265B	2		E21-B SHLD A265					.25 .25	NO NO			
A 265W			P1-H30 P3-T5					.15 .19	NO NO		7, 18 4	
A 266	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 266B	2		E21-B SHLD A266					.25 .25	NO NO			
A 266W			P1-H31 P3-T6					.15 .19	NO NO		7, 18 4	
A 267	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 267B	2		E21-B SHLD A267					.25 .25	NO NO			
A 267W			P1-H32 P3-T7					.15 .19	NO NO		7, 18 4	
A 268	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 268B	2		E22-B SHLD A268					.25 .25	NO NO			
A 268W			P1-H33 P3-T8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061

SCALE-NONE | REV LTR *E | SHEET 68 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 269	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 269B	2		E22-B SHLD A269					.25 .25	NO NO			
A 269W			P1-H34 P3-U1					.15 .19	NO NO		7, 18 4	
A 270	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 270B	2		E22-B SHLD A270					.25 .25	NO NO			
A 270W			P1-H35 P3-U2					.15 .19	NO NO		7, 18 4	
A 271	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 271B	2		E22-B SHLD A271					.25 .25	NO NO			
A 271W			P1-K26 P3-U3					.15 .19	NO NO		7, 18 4	
A 272	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 272B	2		E22-B SHLD A272					.25 .25	NO NO			
A 272W			P1-K27 P3-U4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061

SCALE-NONE | REV LTR *E | SHEET 69 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 273B	2		E22-B SHLD A273					.25 .25	NO NO			
A 273W			P1-K28 P3-U5					.15 .19	NO NO		7, 18 4	
A 274	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 274B	2		E22-B SHLD A274					.25 .25	NO NO			
A 274W			P1-K29 P3-U6					.15 .19	NO NO		7, 18 4	
A 275	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 275B	2		E22-B SHLD A275					.25 .25	NO NO			
A 275W			P1-K30 P3-U7					.15 .19	NO NO		7, 18 4	
A 276	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 276B	2		E22-B SHLD A276					.25 .25	NO NO			
A 276W			P1-K31 P3-U8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061

SCALE-NONE | REV LTR *E | SHEET 70 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2778	2		E22-B SHLD A277					.25 NO .25 NO				
A 277W			P1-K32 P3-V1					.15 NO .19 NO			7, 18 4	
A 278	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2788	2		E22-B SHLD A278					.25 NO .25 NO				
A 278W			P1-K33 P3-V2					.15 NO .19 NO			7, 18 4	
A 279	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2798	2		E22-B SHLD A279					.25 NO .25 NO				
A 279W			P1-K34 P3-V3					.15 NO .19 NO			7, 18 4	
A 280	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2808	2		E23-B SHLD A280					.25 NO .25 NO				
A 280W			P1-K35 P3-V4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 71 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 281	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2818	2		E23-B SHLD A281					.25 NO .25 NO				
A 281W			P1-A36 P3-V5					.15 NO .19 NO			7, 18 4	
A 282	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2828	2		E23-B SHLD A282					.25 NO .25 NO				
A 282W			P1-A37 P3-V6					.15 NO .19 NO			7, 18 4	
A 283	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2838	2		E23-B SHLD A283					.25 NO .25 NO				
A 283W			P1-A38 P3-V7					.15 NO .19 NO			7, 18 4	
A 284	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2848	2		E23-B SHLD A284					.25 .25				
A 284W			P1-A39 P3-V8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 72 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 287	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2878	2		E23-B SHLD A287					.25 .25				
A 287W			P1-B36 P3-W3					.15 .19			7, 18 4	
A 288	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2888	2		E23-B SHLD A288					.25 .25				
A 288W			P1-B37 P3-W4					.15 .19			7, 18 4	
A 289	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2898	2		E23-B SHLD A289					.25 .25				
A 289W			P1-B38 P3-W5					.15 .19			7, 18 4	
A 290	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2908	2		E23-B SHLD A290					.25 .25				
A 290W			P1-B39 P3-W6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 73 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 291	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2918	2		E23-B SHLD A291					.25 .25				
A 291W			P1-B40 P3-W7					.15 .19			7, 18 4	
A 292	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2928	2		E23-B SHLD A292					.25 NO .25 NO				
A 292W			P1-B41 P3-W8					.15 NO .19 NO			7, 18 4	
A 293	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2938	2		E23-B SHLD A293					.25 NO .25 NO				
A 293W			P1-C36 P3-X3					.15 NO .19 NO			7, 18 4	
A 294	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2948	2		E24-B SHLD A294					.25 NO .25 NO				
A 294W			P1-C37 P3-X4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 74 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 295	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 295B	2		F26-B SHLD A295					.25 NO .25 NO				
A 295W			P1-C38 P4-X4					.15 NO .19 NO			7, 18 4	
A 296	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 296B	2		E26-B SHLD A296					.25 NO .25 NO				
A 296W			P1-C39 P4-X5					.15 NO .19 NO			7, 18 4	
A 297	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 297B	2		F24-B SHLD A297					.25 NO .25 NO				
A 297W			P1-C40 P3-E1					.15 NO .19 NO			7, 18 4	
A 298	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 298B	2		E24-B SHLD A298					.25 NO .25 NO				
A 298W			P1-C41 P3-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR F	SHEET 75 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 299	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 299B	2		E24-B SHLD A299					.25 NO .25 NO				
A 299W			P1-D36 P3-E3					.15 NO .19 NO			7, 18 4	
A 300	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 300B	2		E24-B SHLD A300					.25 NO .25 NO				
A 300W			P1-D37 P3-E4					.15 NO .19 NO			7, 18 4	
A 301	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 301B	2		E24-B SHLD A301					.25 NO .25 NO				
A 301W			P1-D38 P3-E5					.15 NO .19 NO			7, 18 4	
A 302	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 302B	2		E24-B SHLD A302					.25 NO .25 NO				
A 302W			P1-D39 P3-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 76 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 303	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 303B	2		E24-B SHLD A303					.25 NO .25 NO				
A 303W			P1-D40 P3-E7					.15 NO .19 NO			7, 18 4	
A 304	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 304B	2		E24-B SHLD A304					.25 NO .25 NO				
A 304W			P1-D41 P3-E8					.15 NO .19 NO			7, 18 4	
A 305	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 305B	2		E25-B SHLD A305					.25 NO .25 NO				
A 305W			P1-F36 P4-A3					.15 NO .19 NO			7, 18 4	
A 306	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 306B	2		E25-B SHLD A306					.25 NO .25 NO				
A 306W			P1-F37 P4-A4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 77 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 307	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 307B	2		E25-B SHLD A307					.25 NO .25 NO				
A 307W			P1-F38 P4-A5					.15 NO .19 NO			7, 18 4	
A 308	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 308B	2		E25-B SHLD A308					.25 NO .25 NO				
A 308W			P1-F39 P4-A6					.15 NO .19 NO			7, 18 4	
A 309	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 309B	2		E25-B SHLD A309					.25 NO .25 NO				
A 309W			P1-F40 P4-B1					.15 NO .19 NO			7, 18 4	
A 310	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 310B	2		E25-B SHLD A310					.25 NO .25 NO				
A 310W			P1-F41 P4-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 78 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 327	6		E1-88					.25	NO			
			E27-8					.25	NO			
A 328	6		E2-88					.25	NO			
			E27-8					.25	NO			
A 329	6		E3-88					.25	NO			
			E27-8					.25	NO			
A 330	6		E4-88					.25	NO			
			E27-8					.25	NO			
A 331	6		E5-88					.25	NO			
			E27-8					.25	NO			
A 332	6		E6-88					.25	NO			
			E27-8					.25	NO			
A 333	6		E7-88					.25	NO			
			E27-8					.25	NO			
A 334	6		E8-88					.25	NO			
			E27-8					.25	NO			
A 335	6		E9-88					.25	NO			
			E27-8					.25	NO			
A 336	6		E10-88					.25	NO			
			E27-8					.25	NO			
A 337	6		E11-88					.25	NO			
			E27-8					.25	NO			
A 338	6		E12-88					.25	NO			
			E27-8					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR EE	SHEET 83 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 339	6		E13-88					.25	NO			
			E28-8					.25	NO			
A 340	6		E14-88					.25	NO			
			E28-8					.25	NO			
A 341	6		E15-88					.25	NO			
			E28-8					.25	NO			
A 342	6		E16-88					.25	NO			
			E28-8					.25	NO			
A 343	6		E17-88					.25	NO			
			E28-8					.25	NO			
A 344	6		E18-88					.25	NO			
			E28-8					.25	NO			
A 345	6		E19-88					.25	NO			
			E28-8					.25	NO			
A 346	6		E20-88					.25	NO			
			E28-8					.25	NO			
A 347	6		E21-88					.25	NO			
			E26-8					.25	NO			
A 348	6		E22-88					.25	NO			
			E28-8					.25	NO			
A 349	6		E23-88					.25	NO			
			E28-8					.25	NO			
A 350	6		E24-88					.25	NO			
			E28-8					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR EE	SHEET 84 OF 86

MIL 2084 9-65

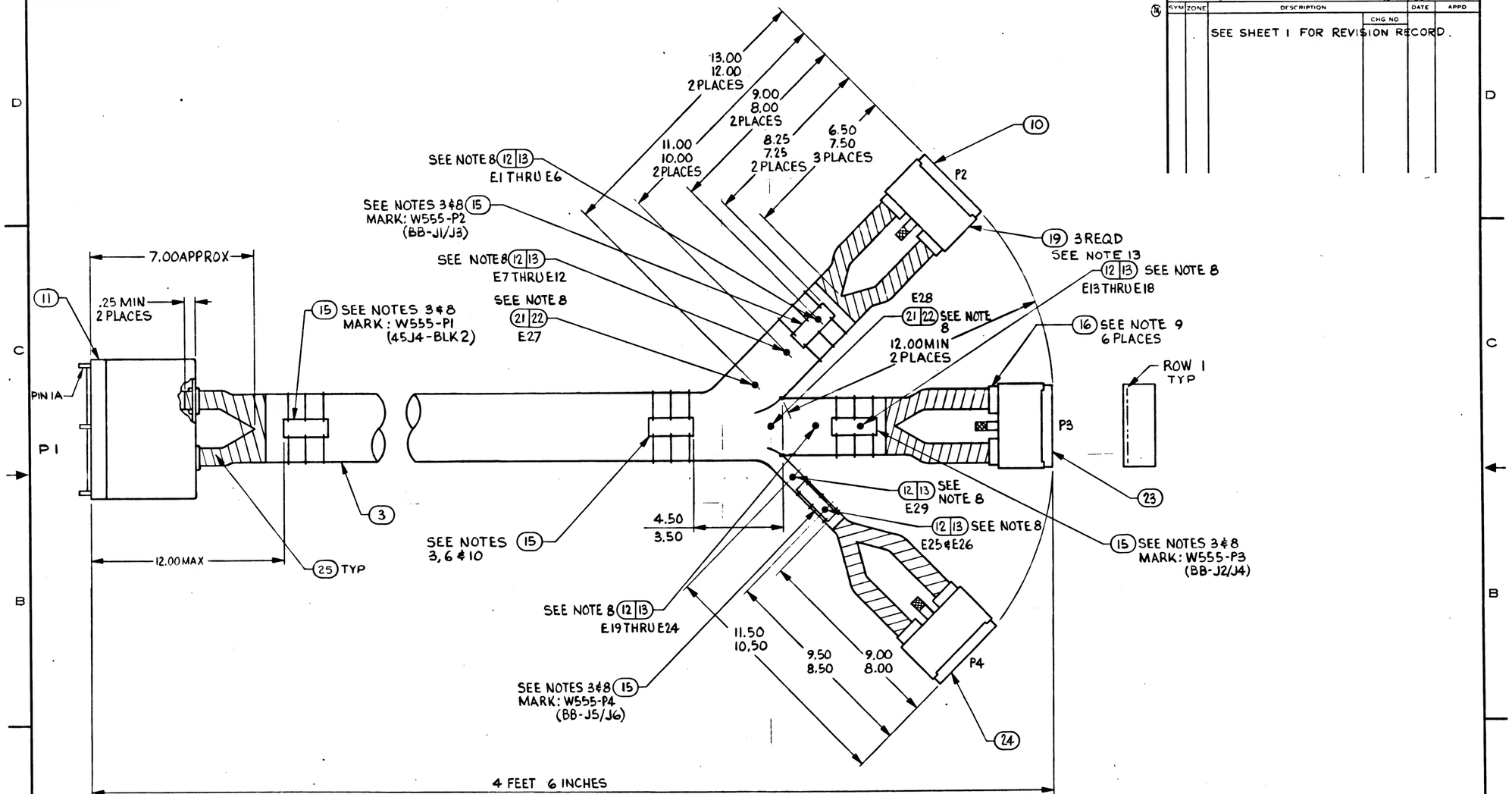
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 351	6		E25-88					.25	NO			
			E29-8					.25	NO			
A 352	6		E26-88					.25	NO			
			E29-8					.25	NO			
A 353	5		E27-88					.25	NO			
			P2-X6					.19	NO		26	
A 354	5		E28-88					.25	NO			
			P3-X6					.19	NO		26	
A 355	5		E29-88					.25	NO			
			P4-X6					.19	NO		26	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR EE	SHEET 85 OF 86

MIL 2 H4 9 65

1901062

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD.			



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± 3 PLACE DECIMALS ± DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
			DRAFTSPLANE 9 DEC 65	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W555
			CHECKED Wrigley 2 MAR 66	
			APPROVAL L Sullivan 5/16/66	
		DO NOT SCALE THIS DRAWING	CONTRACT NAS9-479	
2901076-011	2901076-011	MATERIAL —	NASA APPROVAL	SIZE D · CODE IDENT NO 99974 · 2901061
NEXT ASSY	USED ON		MIT APPROVAL	SCALE NONE · SHEET 86 OF 86
APPLICATION		APPROVAL		

APPLICATION	
NEXT ASSY	USED ON
2901076-011	2901076-011

LTR	DESCRIPTION	DATE	APPROVED
B	REPLACES REV A WITH CHANGE PER MXC-209929	16-MAR-66	B.
C	REVISED PER MXC 210231	31 MAR 66	R AH
D	REVISED PER MXC 211607	22-APR 66	M.
(M) E	INITIAL RELEASE CLASS A PER TDRR 28604	2-MAY 66	PG EF
(M) F	REVISED PER TDRR 30452	16 AUG 66	PH. JI
G	REVISE PER TDRR 31337	5 OCT 66	JJB

REV	E	E	E	E	E	E	E	E	E	F	E	E	E	E	E	E	E	E	F	E	E	E	E
SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
REV STATUS OF SHEETS	REV							E	F	F	E	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E
	SHEET							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SPLANE 9 DEC 65
DRAFTSMAN DAY MO YR
CHECKER 22 MAR 66
ENGINEER 3 MAR 66
APPROVAL 5/10/66
CONTR NO. NAS9-497
NASA APPROVAL
MIT APPROVAL 5/10/66

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W555

SIZE	CODE IDENT. NO	
A	99974	2901061
SCALE NONE		SHEET 1 OF 86

MIL 1377A6 12-65

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	E	80	E														
47	E	81	E														
48	E	82	E														
49	E	83	E														
50	E	84	E														
51	E	85	E														
52	E	86	G														
53	E																
54	E																
55	E																
56	E																
57	E																
58	E																
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74	E																
75	F																
76	E																
77	E																
78	E																
79	E																

SIZE	CODE IDENT. NO.	
A	99974	2901061
SCALE NONE	REV LTR F	SHEET 2 OF 86

MIL 1377A3 8-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER – A – ND1002071 B – ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.
4	VENDOR ITEM – SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
7	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER – A – FROM END SHIELD B – TO END SHIELD W – WHITE
8	MARK REFERENCE DESIGNATIONS SHOWN PER ND1002019, HOT IMPRESSION STAMPING, USING .12 BLACK CHARACTERS CENTRALIZED
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 16 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP. USE ONLY IF REQUIRED.
10	SERIALIZE PER ND1002023
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	ASSEMBLE PER ND1002032

MIL 2084 9-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	AT ASSEMBLY OF ITEM 19 REMOVE 4 SELF-LOCKING NUTS SECURING LOCATING PINS TO CONNECTOR AND DISCARD. ATTACH ITEM 19 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06–.06	+.06–.06	+.06–.06	+.06–.00
3 INCH TO 3 FT	+.25–.25	+.25–.25	+.25–.25	

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	1	1	2901061-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 1216 FT TOTAL LENGTH
6	2	1	2901061-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 152 FT TOTAL LENGTH
6	3	1	2901061-003	ZIPPER TUBING PER ND1002155 TYPE 4 GREY 2.0, 2.0, .75 DIA 4 FT TOTAL LENGTH 3 CHANNEL
4	4	304	1016369-421	CONTACT, SOCKET
	5	1	2901061-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 2 FT TOTAL LENGTH
	6	1	2901061-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 11 FT TOTAL LENGTH
4	7	304	1897300-002	CONTACT, SPRING SOCKET
4	8	304	1010763-002	SOLDER SLEEVE
4	9	608	1010490-232	INSULATION SLEEVING SHRINK FIT
	10	1	2901434-011	CONNECTOR
4	11	1	2900963-011	CONNECTOR
4	12	28	1016006-002	SPLICE REDUCER
4	13	28	1010490-258	INSULATION SLEEVING SHRINK FIT
	14		1015902-003	DELETED
4	15	5	1016128-021	BAND IDENTIFICATION

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	AR	MIL-I-631 TYPE F FORM T BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
	17	AR	MIL-T-713B TYPE P CLASS 2 BLK	LACING TAPE
4	18	304	1015864-232	INSULATION SLEEVING, ELECT.
4	19	3	1897391	CLAMP, CABLE DUAL ENTRY
	20		1010490-166	DELETED
4	21	1	1016006-004	SPLICE REDUCER
4	22	1	1010490-342	INSULATION SLEEVING SHRINK FIT
	23	1	2901434-021	CONNECTOR
	24	1	2901434-031	CONNECTOR
	25	AR	MIL-I-15126 TYPE ACT	INSULATION TAPE ELEC PRESSURE SENSITIVE THERMO SETTING ADHESIVE, .75 + OR –.03 WIDE (ES2716 TYPE C)
4	26	3	1016369-721	CONTACT, SOCKET

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	3B	2	E1-B SHLD A3					.25 NO .25 NO				
A	3W		P1-A3 P2-A5					.15 NO .19 NO			7, 18 4	
A	4	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	4B	2	E1-B SHLD A4					.25 NO .25 NO				
A	4W		P1-A4 P2-A6					.15 NO .19 NO			7, 18 4	
A	5	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	5B	2	E1-B SHLD A5					.25 NO .25 NO				
A	5W		P1-A5 P2-B1					.15 NO .19 NO			7, 18 4	
A	6	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	6B	2	E1-B SHLD A6					.25 NO .25 NO				
A	6W		P1-A6 P2-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 7 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	7B	2	E1-B SHLD A7					.25 NO .25 NO				
A	7W		P1-A7 P2-B3					.15 NO .19 NO			7, 18 4	
A	8	1			7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	8B	2	E1-B SHLD A8					.25 NO .25 NO				
A	8W		P1-A8 P2-B4					.15 NO .19 NO			7, 18 4	
A	9	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	9B	2	E1-B SHLD A9					.25 NO .25 NO				
A	9W		P1-A9 P2-B5					.15 NO .19 NO			7, 18 4	
A	10	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	10B	2	E1-B SHLD A10					.25 NO .25 NO				
A	10W		P1-A10 P2-B6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 8 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	11	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	11B	2	E1-B SHLD A11					.25 NO .25 NO				
A	11W		P1-A11 P2-B7					.15 NO .19 NO			7, 18 4	
A	12	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	12B	2	E1-B SHLD A12					.25 NO .25 NO				
A	12W		P1-A12 P2-B8					.15 NO .19 NO			7, 18 4	
A	13	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	13B	2	E1-B SHLD A13					.25 NO .25 NO				
A	13W		P1-A13 P2-C1					.15 NO .19 NO			7, 18 4	
A	14	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	14B	2	E1-B SHLD A14					.25 NO .25 NO				
A	14W		P1-A14 P2-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 9 OF 86

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	15	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	15B	2	E2-B SHLD A15					.25 NO .25 NO				
A	15W		P1-A15 P2-C3					.15 NO .19 NO			7, 18 4	
A	16	1			7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	16B	2	E2-B SHLD A16					.25 NO .25 NO				
A	16W		P1-B1 P2-C4					.15 NO .19 NO			7, 18 4	
A	17	1			6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	17B	2	E2-B SHLD A17					.25 NO .25 NO				
A	17W		P1-B2 P2-C5					.15 NO .19 NO			7, 18 4	
A	18	1			6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	18B	2	E2-B SHLD A18					.25 .25				
A	18W		P1-B3 P2-C6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 10 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 NO .25 NO				
A 19W			P1-B4 P2-C7					.15 NO .19 NO			7, 18 4	
A 20	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 NO .25 NO				
A 20W			P1-B5 P2-C8					.15 NO .19 NO			7, 18 4	
A 21	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 21B	2		E2-B SHLD A21					.25 NO .25 NO				
A 21W			P1-B6 P2-D1					.15 NO .19 NO			7, 18 4	
A 22	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 22B	2		E2-B SHLD A22					.25 NO .25 NO				
A 22W			P1-B7 P2-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 11 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 23	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 23B	2		E2-B SHLD A23					.25 NO .25 NO				
A 23W			P1-B8 P2-D3					.15 NO .19 NO			7, 18 4	
A 24	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 24B	2		E2-B SHLD A24					.25 NO .25 NO				
A 24W			P1-B9 P2-D4					.15 NO .19 NO			7, 18 4	
A 25	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 25B	2		E2-B SHLD A25					.25 NO .25 NO				
A 25W			P1-B10 P2-D5					.15 NO .19 NO			7, 18 4	
A 26	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 26B	2		E2-B SHLD A26					.25 NO .25 NO				
A 26W			P1-B11 P2-D6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 12 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 NO .25 NO				
A 27W			P1-B12 P2-D7					.15 NO .19 NO			7, 18 4	
A 28	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 NO .25 NO				
A 28W			P1-B13 P2-D8					.15 NO .19 NO			7, 18 4	
A 29	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 NO .25 NO				
A 29W			P1-B14 P2-E1					.15 NO .19 NO			7, 18 4	
A 30	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 NO .25 NO				
A 30W			P1-B15 P2-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 13 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 31	1				6.75 3.75	6.50 3.50				8,7 A,6A		
A 31B	2		E3-B SHLD A31					.25 NO .25 NO				
A 31W			P1-C1 P2-E3					.15 NO .19 NO			7, 18 4	
A 32	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 32B	2		E3-B SHLD A32					.25 NO .25 NO				
A 32W			P1-C2 P2-E4					.15 NO .19 NO			7, 18 4	
A 33	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 33B	2		E3-B SHLD A33					.25 NO .25 NO				
A 33W			P1-C3 P2-E5					.15 NO .19 NO			7, 18 4	
A 34	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 34B	2		E3-B SHLD A34					.25 NO .25 NO				
A 34W			P1-C4 P2-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 14 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 35	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 358	2		E3-B SHLD A35					.25 NO .25 NO				
A 35W			P1-C5 P2-E7					.15 NO .19 NO			7, 18 4	
A 36	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 368	2		E3-B SHLD A36					.25 NO .25 NO				
A 36W			P1-C6 P2-E8					.15 NO .19 NO			7, 18 4	
A 37	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 378	2		E3-B SHLD A37					.25 NO .25 NO				
A 37W			P1-C7 P2-F1					.15 NO .19 NO			7, 18 4	
A 38	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 388	2		E3-B SHLD A38					.25 NO .25 NO				
A 38W			P1-C8 P2-F2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 15 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 39	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 398	2		E4-B SHLD A39					.25 NO .25 NO				
A 39W			P1-C9 P2-F3					.15 NO .19 NO			7, 18 4	
A 40	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 408	2		E4-B SHLD A40					.25 NO .25 NO				
A 40W			P1-C10 P2-F4					.15 NO .19 NO			7, 18 4	
A 41	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 418	2		E4-B SHLD A41					.25 NO .25 NO				
A 41W			P1-C11 P2-F5					.15 NO .19 NO			7, 18 4	
A 42	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 428	2		E4-B SHLD A42					.25 NO .25 NO				
A 42W			P1-C12 P2-F6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 16 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 43	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 438	2		E4-B SHLD A43					.25 NO .25 NO				
A 43W			P1-C13 P2-F7					.15 NO .19 NO			7, 18 4	
A 44	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 448	2		E4-B SHLD A44					.25 NO .25 NO				
A 44W			P1-C14 P2-F8					.15 NO .19 NO			7, 18 4	
A 45	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 458	2		E4-B SHLD A45					.25 NO .25 NO				
A 45W			P1-C15 P2-G1					.15 NO .19 NO			7, 18 4	
A 46	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 468	2		E4-B SHLD A46					.25 NO .25 NO				
A 46W			P1-D1 P2-G2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 17 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 478	2		E4-B SHLD A47					.25 NO .25 NO				
A 47W			P1-D2 P2-G3					.15 NO .19 NO			7, 18 4	
A 48	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 488	2		E4-B SHLD A48					.25 NO .25 NO				
A 48W			P1-D3 P2-G4					.15 NO .19 NO			7, 18 4	
A 49	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 498	2		E4-B SHLD A49					.25 NO .25 NO				
A 49W			P1-D4 P2-G5					.15 NO .19 NO			7, 18 4	
A 50	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 508	2		E4-B SHLD A50					.25 NO .25 NO				
A 50W			P1-D5 P2-G6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 18 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 518	2		E5-B SHLD A51					.25 .25	NO NO			
A 51W			P1-D6 P2-G7					.15 .19	NO NO		7, 18 4	
A 52	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 528	2		E5-B SHLD A52					.25 .25	NO NO			
A 52W			P1-D7 P2-G8					.15 .19	NO NO		7, 18 4	
A 53	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 538	2		E5-B SHLD A53					.25 .25	NO NO			
A 53W			P1-D8 P2-H1					.15 .19	NO NO		7, 18 4	
A 54	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 548	2		E5-B SHLD A54					.25 .25	NO NO			
A 54W			P1-D9 P2-H2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ⊕E	SHEET 19 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 55	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 558	2		E5-B SHLD A55					.25 .25	NO NO			
A 55W			P1-D10 P2-H3					.15 .19	NO NO		7, 18 4	
A 56	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 568	2		E5-B SHLD A56					.25 .25	NO NO			
A 56W			P1-D11 P2-H4					.15 .19	NO NO		7, 18 4	
A 57	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 578	2		E5-B SHLD A57					.25 .25	NO NO			
A 57W			P1-D12 P2-H5					.15 .19	NO NO		7, 18 4	
A 58	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 588	2		E5-B SHLD A58					.25 .25	NO NO			
A 58W			P1-D13 P2-H6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ⊕E	SHEET 20 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 598	2		E5-B SHLD A59					.25 .25	NO NO			
A 59W			P1-D14 P2-H7					.15 .19	NO NO		7, 18 4	
A 60	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 608	2		E5-B SHLD A60					.25 .25	NO NO			
A 60W			P1-D15 P2-H8					.15 .19	NO NO		7, 18 4	
A 61	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 618	2		E5-B SHLD A61					.25 .25	NO NO			
A 61W			P1-F1 P2-J1					.15 .19	NO NO		7, 18 4	
A 62	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 628	2		E5-B SHLD A62					.25 .25	NO NO			
A 62W			P1-F2 P2-J2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ⊕E	SHEET 21 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 63	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 638	2		E6-B SHLD A63					.25 .25	NO NO			
A 63W			P1-F3 P2-J3					.15 .19	NO NO		7, 18 4	
A 64	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 648	2		E6-B SHLD A64					.25 .25	NO NO			
A 64W			P1-F4 P2-J4					.15 .19	NO NO		7, 18 4	
A 65	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 658	2		E6-B SHLD A65					.25 .25	NO NO			
A 65W			P1-F5 P2-J5					.15 .19	NO NO		7, 18 4	
A 66	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 668	2		E6-B SHLD A66					.25 .25	NO NO			
A 66W			P1-F6 P2-J6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ⊕E	SHEET 22 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 67	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 67B	2		E6-B SHLD A67					.25 NO .25 NO				
A 67W			P1-F7 P2-J7					.15 NO .19 NO			7, 18 4	
A 68	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 68B	2		E6-B SHLD A68					.25 NO .25 NO				
A 68W			P1-F8 P2-J8					.15 NO .19 NO			7, 18 4	
A 69	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 69B	2		E6-B SHLD A69					.25 NO .25 NO				
A 69W			P1-F9 P2-K1					.15 NO .19 NO			7, 18 4	
A 70	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 70B	2		E6-B SHLD A70					.25 NO .25 NO				
A 70W			P1-F10 P2-K2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ∂E	SHEET 23 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 71	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 71B	2		E6-B SHLD A71					.25 NO .25 NO				
A 71W			P1-F11 P2-K3					.15 NO .19 NO			7, 18 4	
A 72	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 72B	2		E6-B SHLD A72					.25 NO .25 NO				
A 72W			P1-F12 P2-K6					.15 NO .19 NO			7, 18 4	
A 73	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 73B	2		E6-B SHLD A73					.25 NO .25 NO				
A 73W			P1-F13 P2-K7					.15 NO .19 NO			7, 18 4	
A 74	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 74B	2		E6-B SHLD A74					.25 NO .25 NO				
A 74W			P1-F14 P2-K8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ∂E	SHEET 24 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 75	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 75B	2		E7-B SHLD A75					.25 NO .25 NO				
A 75W			P1-F15 P2-L1					.15 NO .19 NO			7, 18 4	
A 76	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 76B	2		E7-B SHLD A76					.25 NO .25 NO				
A 76W			P1-G1 P2-L2					.15 NO .19 NO			7, 18 4	
A 77	1				7.75 6.75	7.00 6.00				8,7 A,6A	9 8, 9	
A 77B	2		E7-B SHLD A77					.25 NO .25 NO				
A 77W			P1-G2 P2-L7					.15 NO .19 NO			7, 18 4	
A 78	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 78B	2		E7-B SHLD A78					.25 NO .25 NO				
A 78W			P1-G3 P2-L8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ∂E	SHEET 25 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 79	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 79B	2		E7-B SHLD A79					.25 NO .25 NO				
A 79W			P1-G4 P2-M1					.15 NO .19 NO			7, 18 4	
A 80	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 80B	2		E7-B SHLD A80					.25 NO .25 NO				
A 80W			P1-G5 P2-M2					.15 NO .19 NO			7, 18 4	
A 81	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 81B	2		E7-B SHLD A81					.25 NO .25 NO				
A 81W			P1-G6 P2-M3					.15 NO .19 NO			7, 18 4	
A 82	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 82B	2		E7-B SHLD A82					.25 NO .25 NO				
A 82W			P1-G7 P2-M6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ∂E	SHEET 26 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 83	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 83B	2		E7-B SHLD A83					.25 NO .25 NO				
A 83W			P1-G8 P2-M7					.15 NO .19 NO			7, 18 4	
A 84	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 84B	2		E7-B SHLD A84					.25 NO .25 NO				
A 84W			P1-G9 P2-M8					.15 NO .19 NO			7, 18 4	
A 85	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 85B	2		E7-B SHLD A85					.25 NO .25 NO				
A 85W			P1-G10 P2-N1					.15 NO .19 NO			7, 18 4	
A 86	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 86B	2		E7-B SHLD A86					.25 NO .25 NO				
A 86W			P1-G11 P2-N2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 27 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 87B	2		E8-B SHLD A87					.25 NO .25 NO				
A 87W			P1-G12 P2-N3					.15 NO .19 NO			7, 18 4	
A 88	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 88B	2		E8-B SHLD A88					.25 NO .25 NO				
A 88W			P1-G13 P2-N4					.15 NO .19 NO			7, 18 4	
A 89	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 89B	2		E8-B SHLD A89					.25 NO .25 NO				
A 89W			P1-G14 P2-N5					.15 NO .19 NO			7, 18 4	
A 90	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 90B	2		E8-B SHLD A90					.25 NO .25 NO				
A 90W			P1-G15 P2-N6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 28 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 91B	2		E8-B SHLD A91					.25 NO .25 NO				
A 91W			P1-H1 P2-N7					.15 NO .19 NO			7, 18 4	
A 92	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 92B	2		E8-B SHLD A92					.25 NO .25 NO				
A 92W			P1-H2 P2-N8					.15 NO .19 NO			7, 18 4	
A 93	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 93B	2		E8-B SHLD A93					.25 NO .25 NO				
A 93W			P1-H3 P2-P1					.15 NO .19 NO			7, 18 4	
A 94	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 94B	2		E8-B SHLD A94					.25 NO .25 NO				
A 94W			P1-H4 P2-P2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 29 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 95B	2		E8-B SHLD A95					.25 NO .25 NO				
A 95W			P1-H5 P2-P3					.15 NO .19 NO			7, 18 4	
A 96	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 96B	2		E8-B SHLD A96					.25 NO .25 NO				
A 96W			P1-H6 P2-P4					.15 NO .19 NO			7, 18 4	
A 97	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 97B	2		E8-B SHLD A97					.25 NO .25 NO				
A 97W			P1-H7 P2-P5					.15 NO .19 NO			7, 18 4	
A 98	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 98B	2		E8-B SHLD A98					.25 NO .25 NO				
A 98W			P1-H8 P2-P6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 30 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 99	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 99B	2		E9-B SHLD A99					.25 NO .25 NO				
A 99W			P1-H9 P2-P7					.15 NO .19 NO			7, 18 4	
A 100	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 100B	2		E9-B SHLD A100					.25 NO .25 NO				
A 100W			P1-H10 P2-P8					.15 NO .19 NO			7, 18 4	
A 101	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 101B	2		E9-B SHLD A101					.25 NO .25 NO				
A 101W			P1-H11 P2-R1					.15 NO .19 NO			7, 18 4	
A 102	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 102B	2		E9-B SHLD A102					.25 NO .25 NO				
A 102W			P1-H12 P2-R2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 31 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 103	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 103B	2		E9-B SHLD A103					.25 NO .25 NO				
A 103W			P1-H13 P2-R3					.15 NO .19 NO			7, 18 4	
A 104	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 104B	2		E9-B SHLD A104					.25 NO .25 NO				
A 104W			P1-H14 P2-R4					.15 NO .19 NO			7, 18 4	
A 105	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 105B	2		E9-B SHLD A105					.25 NO .25 NO				
A 105W			P1-H15 P2-R5					.15 NO .19 NO			7, 18 4	
A 108	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 108B	2		E9-B SHLD A108					.25 NO .25 NO				
A 108W			P1-K3 P2-R8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 32 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 109B	2		E9-B SHLD A109					.25 NO .25 NO				
A 109W			P1-K4 P2-S1					.15 NO .19 NO			7, 18 4	
A 110	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 110B	2		E9-B SHLD A110					.25 NO .25 NO				
A 110W			P1-K5 P2-S2					.15 NO .19 NO			7, 18 4	
A 111	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 111B	2		E9-B SHLD A111					.25 NO .25 NO				
A 111W			P1-K6 P2-S3					.15 NO .19 NO			7, 18 4	
A 112	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 112B	2		E9-B SHLD A112					.25 NO .25 NO				
A 112W			P1-K7 P2-S4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 33 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 113B	2		E10-B SHLD A113					.25 NO .25 NO				
A 113W			P1-K8 P2-S5					.15 NO .19 NO			7, 18 4	
A 114	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 114B	2		E10-B SHLD A114					.25 NO .25 NO				
A 114W			P1-K9 P2-S6					.15 NO .19 NO			7, 18 4	
A 115	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 115B	2		E10-B SHLD A115					.25 NO .25 NO				
A 115W			P1-K10 P2-S7					.15 NO .19 NO			7, 18 4	
A 116	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 116B	2		E10-B SHLD A116					.25 NO .25 NO				
A 116W			P1-K11 P2-S8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 34 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 117	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 1178	2		E10-8 SHLD A117					.25 NO .25 NO				
A 117W			P1-K12 P2-T1					.15 NO .19 NO			7, 18 4	
A 118	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 1188	2		E10-8 SHLD A118					.25 NO .25 NO				
A 118W			P1-K13 P2-T2					.15 NO .19 NO			7, 18 4	
A 119	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 1198	2		E10-8 SHLD A119					.25 NO .25 NO				
A 119W			P1-K14 P2-T3					.15 NO .19 NO			7, 18 4	
A 120	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 1208	2		E10-8 SHLD A120					.25 NO .25 NO				
A 120W			P1-K15 P2-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 35 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 130	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 1308	2		E11-8 SHLD A130					.25 NO .25 NO				
A 130W			P1-A25 P2-U6					.15 NO .19 NO			7, 18 4	
A 131	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 1318	2		E11-8 SHLD A131					.25 NO .25 NO				
A 131W			P1-B16 P2-U7					.15 NO .19 NO			7, 18 4	
A 132	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1328	2		E11-8 SHLD A132					.25 NO .25 NO				
A 132W			P1-B17 P2-U8					.15 NO .19 NO			7, 18 4	
A 133	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1338	2		E11-8 SHLD A133					.25 NO .25 NO				
A 133W			P1-B18 P2-V1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 36 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 134	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1348	2		E11-8 SHLD A134					.25 NO .25 NO				
A 134W			P1-B19 P2-V2					.15 NO .19 NO			7, 18 4	
A 135	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1358	2		E11-8 SHLD A135					.25 NO .25 NO				
A 135W			P1-B20 P2-V3					.15 NO .19 NO			7, 18 4	
A 136	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1368	2		E11-8 SHLD A136					.25 NO .25 NO				
A 136W			P1-B21 P2-V4					.15 NO .19 NO			7, 18 4	
A 137	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 137B	2		E11-8 SHLD A137					.25 NO .25 NO				
A 137W			P1-B22 P2-V5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 37 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1388	2		E11-8 SHLD A138					.25 NO .25 NO				
A 138W			P1-B23 P2-V6					.15 NO .19 NO			7, 18 4	
A 139	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 1398	2		E11-8 SHLD A139					.25 NO .25 NO				
A 139W			P1-B24 P2-V7					.15 NO .19 NO			7, 18 4	
A 140	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 1408	2		E11-8 SHLD A140					.25 NO .25 NO				
A 140W			P1-B25 P2-V8					.15 NO .19 NO			7, 18 4	
A 141	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 1418	2		E12-8 SHLD A141					.25 NO .25 NO				
A 141W			P1-C16 P2-W1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR E	SHEET 38 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 142	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 142B	2		E12-B SHLD A142					.25 NO .25 NO				
A 142W			P1-C17 P2-W2					.15 NO .19 NO			7, 18 4	
A 143	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 143B	2		E12-B SHLD A143					.25 NO .25 NO				
A 143W			P1-C18 P2-W3					.15 NO .19 NO			7, 18 4	
A 144	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 144B	2		E12-B SHLD A144					.25 NO .25 NO				
A 144W			P1-C19 P2-W4					.15 NO .19 NO			7, 18 4	
A 145	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 145B	2		E12-B SHLD A145					.25 NO .25 NO				
A 145W			P1-C20 P2-W5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 39 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 146	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 146B	2		E12-B SHLD A146					.25 NO .25 NO				
A 146W			P1-C21 P2-W6					.15 NO .19 NO			7, 18 4	
A 147	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 147B	2		E12-B SHLD A147					.25 NO .25 NO				
A 147W			P1-C22 P2-W7					.15 NO .19 NO			7, 18 4	
A 148	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 148B	2		E12-B SHLD A149					.25 NO .25 NO				
A 148W			P1-C23 P2-W8					.15 NO .19 NO			7, 18 4	
A 149	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 149B	2		E12-B SHLD A149					.25 NO .25 NO				
A 149W			P1-C24 P2-X3					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 40 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 150B	2		E12-B SHLD A150					.25 NO .25 NO				
A 150W			P1-C25 P2-X4					.15 NO .19 NO			7, 18 4	
A 151	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 151B	2		E12-B SHLD A151					.25 NO .25 NO				
A 151W			P1-D16 P2-X5					.15 NO .19 NO			7, 18 4	
A 152	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 152B	2		E24-B SHLD A152					.25 NO .25 NO				
A 152W			P1-D17 P3-X5					.15 NO .19 NO			7, 18 4	
A 153	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 153B	2		E13-B SHLD A153					.25 NO .25 NO				
A 153W			P1-D18 P3-A3					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR F	SHEET 41 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 154	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 154B	2		E13-B SHLD A154					.25 NO .25 NO				
A 154W			P1-D19 P3-A4					.15 NO .19 NO			7, 18 4	
A 155	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 155B	2		E13-B SHLD A155					.25 NO .25 NO				
A 155W			P1-D20 P3-A5					.15 NO .19 NO			7, 18 4	
A 156	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 156B	2		E13-B SHLD A156					.25 .25				
A 156W			P1-D21 P3-A6					.15 .19			7, 18 4	
A 157	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 157B	2		E13-B SHLD A157					.25 .25				
A 157W			P1-D22 P3-B1					.15 .19			7, 18- 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 42 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 158	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 158B	2		E13-B SHLD A158					.25 .25				
A 158W			P1-D23 P3-B2					.15 .19			7, 18 4	
A 159	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 159B	2		E13-B SHLD A159					.25 .25				
A 159W			P1-D24 P3-B3					.15 .19			7, 18 4	
A 160	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 160B	2		E13-B SHLD A160					.25 .25				
A 160W			P1-D25 P3-B4					.15 .19			7, 18 4	
A 161	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 161B	2		E13-B SHLD A161					.25 .25				
A 161W			P1-F16 P3-B5					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 43 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 162B	2		E13-B SHLD A162					.25 .25				
A 162W			P1-F17 P3-B6					.15 .19			7, 18 4	
A 163	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 163B	2		E13-B SHLD A163					.25 .25				
A 163W			P1-F18 P3-B7					.15 .19			7, 18 4	
A 164	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 164B	2		E13-B SHLD A164					.25 NO .25 NO				
A 164W			P1-F19 P3-B8					.15 NO .19 NO			7, 18 4	
A 165	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 165B	2		E14-B SHLD A165					.25 NO .25 NO				
A 165W			P1-F20 P3-C1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 44 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 166	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 166B	2		E14-B SHLD A166					.25 NO .25 NO				
A 166W			P1-F21 P3-C2					.15 NO .19 NO			7, 18 4	
A 167	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 167B	2		E14-B SHLD A167					.25 NO .25 NO				
A 167W			P1-F22 P3-C3					.15 NO .19 NO			7, 18 4	
A 168	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 168B	2		E14-B SHLD A168					.25 NO .25 NO				
A 168W			P1-F23 P3-C4					.15 NO .19 NO			7, 18 4	
A 169	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 169B	2		E14-B SHLD A169					.25 NO .25 NO				
A 169W			P1-F24 P3-C5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 45 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 170	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 170B	2		E14-B SHLD A170					.25 NO .25 NO				
A 170W			P1-F25 P3-C6					.15 NO .19 NO			7, 18 4	
A 171	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 171B	2		E14-B SHLD A171					.25 NO .25 NO				
A 171W			P1-G16 P3-C7					.15 NO .19 NO			7, 18 4	
A 172	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 172B	2		E14-B SHLD A172					.25 NO .25 NO				
A 172W			P1-G17 P3-C8					.15 NO .19 NO			7, 18 4	
A 173	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 173B	2		E14-B SHLD A173					.25 NO .25 NO				
A 173W			P1-G18 P3-D1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 46 OF 8?

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 174	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 174B	2		E14-B SHLD A174					.25 NO .25 NO				
A 174W			P1-G19 P3-D2					.15 NO .19 NO			7, 18 4	
A 175	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 175B	2		E14-B SHLD A175					.25 NO .25 NO				
A 175W			P1-G20 P3-D3					.15 NO .19 NO			7, 18 4	
A 176	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 176B	2		E14-B SHLD A176					.25 NO .25 NO				
A 176W			P1-G21 P3-D4					.15 NO .19 NO			7, 18 4	
A 177	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 177B	2		E15-B SHLD A177					.25 NO .25 NO				
A 177W			P1-G22 P3-D5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR -E	SHEET 47 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 178	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 178B	2		E15-B SHLD A178					.25 NO .25 NO				
A 178W			P1-G23 P3-D6					.15 NO .19 NO			7, 18 4	
A 179	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 179B	2		E15-B SHLD A179					.25 NO .25 NO				
A 179W			P1-G24 P3-D7					.15 NO .19 NO			7, 18 4	
A 180	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 180B	2		E15-B SHLD A180					.25 NO .25 NO				
A 180W			P1-G25 P3-D8					.15 NO .19 NO			7, 18 4	
A 181	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 181B	2		E15-B SHLD A181					.25 NO .25 NO				
A 181W			P1-H16 P3-F1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR -E	SHEET 48 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 182	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 182B	2		E15-B SHLD A182					.25 NO .25 NO				
A 182W			P1-H17 P3-F2					.15 NO .19 NO			7, 18 4	
A 183	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 183B	2		E15-B SHLD A183					.25 NO .25 NO				
A 183W			P1-H18 P3-F3					.15 NO .19 NO			7, 18 4	
A 184	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 184B	2		E15-B SHLD A184					.25 NO .25 NO				
A 184W			P1-H19 P3-F4					.15 NO .19 NO			7, 18 4	
A 185	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 185B	2		E15-B SHLD A185					.25 NO .25 NO				
A 185W			P1-H20 P3-F5					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR -E	SHEET 49 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 186	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 186B	2		E15-B SHLD A186					.25 NO .25 NO				
A 186W			P1-H21 P3-F6					.15 NO .19 NO			7, 18 4	
A 187	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 187B	2		E15-B SHLD A187					.25 NO .25 NO				
A 187W			P1-H22 P3-F7					.15 NO .19 NO			7, 18 4	
A 188	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 188B	2		E15-B SHLD A188					.25 NO .25 NO				
A 188W			P1-H23 P3-F8					.15 NO .19 NO			7, 18 4	
A 189	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 189B	2		E16-B SHLD A189					.25 NO .25 NO				
A 189W			P1-H24 P3-G1					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR -E	SHEET 50 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 190	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 1908	2		E16-B SHLD A190					.25 NO .25 NO				
A 190W			P1-H25 P3-G2					.15 NO .19 NO			7, 18 4	
A 191	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 1918	2		E16-B SHLD A191					.25 NO .25 NO				
A 191W			P1-K16 P3-G3					.15 NO .19 NO			7, 18 4	
A 192	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 1928	2		F16-B SHLD A192					.25 NO .25 NO				
A 192W			P1-K17 P3-G4					.15 NO .19 NO			7, 18 4	
A 200	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 2008	2		E16-B SHLD A200					.25 NO .25 NO				
A 200W			P1-K25 P3-H4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ME	SHEET 51 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 201	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 2018	2		E16-B SHLD A201					.25 NO .25 NO				
A 201W			P1-A26 P3-H5					.15 NO .19 NO			7, 18 4	
A 202	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 2028	2		E16-B SHLD A202					.25 NO .25 NO				
A 202W			P1-A27 P3-H6					.15 NO .19 NO			7, 18 4	
A 203	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 2038	2		E16-B SHLD A203					.25 NO .25 NO				
A 203W			P1-A28 P3-H7					.15 NO .19 NO			7, 18 4	
A 204	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2048	2		E16-B SHLD A204					.25 NO .25 NO				
A 204W			P1-A29 P3-H8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ME	SHEET 52 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 205	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2058	2		E16-B SHLD A205					.25 NO .25 NO				
A 205W			P1-A30 P3-J1					.15 NO .19 NO			7, 18 4	
A 206	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2068	2		E16-B SHLD A206					.25 NO .25 NO				
A 206W			P1-A31 P3-J2					.15 NO .19 NO			7, 18 4	
A 207	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2078	2		E16-B SHLD A207					.25 NO .25 NO				
A 207W			P1-A32 P3-J3					.15 NO .19 NO			7, 18 4	
A 208	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2088	2		E17-B SHLD A208					.25 NO .25 NO				
A 208W			P1-A33 P3-J4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ME	SHEET 53 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2098	2		E17-B SHLD A209					.25 NO .25 NO				
A 209W			P1-A34 P3-J5					.15 NO .19 NO			7, 18 4	
A 210	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2108	2		E17-B SHLD A210					.25 NO .25 NO				
A 210W			P1-A35 P3-J6					.15 NO .19 NO			7, 18 4	
A 211	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 2118	2		E17-B SHLD A211					.25 NO .25 NO				
A 211W			P1-B26 P3-J7					.15 NO .19 NO			7, 18 4	
A 212	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 2128	2		E17-B SHLD A212					.25 NO .25 NO				
A 212W			P1-B27 P3-J8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR ME	SHEET 54 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 213	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 213B	2		E17-B SHLD A213					.25 NO .25 NO				
A 213W			P1-B28 P3-K1					.15 NO .19 NO			7, 18 4	
A 214	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 214B	2		E17-B SHLD A214					.25 NO .25 NO				
A 214W			P1-B29 P3-K2					.15 NO .19 NO			7, 18 4	
A 215	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 215B	2		E17-B SHLD A215					.25 NO .25 NO				
A 215W			P1-B30 P3-K3					.15 NO .19 NO			7, 18 4	
A 216	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 216B	2		E17-B SHLD A216					.25 NO .25 NO				
A 216W			P1-B31 P3-K6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 55 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 217	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 217B	2		E17-B SHLD A217					.25 NO .25 NO				
A 217W			P1-B32 P3-K7					.15 NO .19 NO			7, 18 4	
A 218	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 218B	2		E17-B SHLD A218					.25 NO .25 NO				
A 218W			P1-B33 P3-K8					.15 NO .19 NO			7, 18 4	
A 219	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 219B	2		E17-B SHLD A219					.25 NO .25 NO				
A 219W			P1-B34 P3-L1					.15 NO .19 NO			7, 18 4	
A 220	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 220B	2		E18-B SHLD A220					.25 .25				
A 220W			P1-B35 P3-L2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 56 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 221B	2		E18-B SHLD A221					.25 .25				
A 221W			P1-C26 P3-L7					.15 .19			7, 18 4	
A 222	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 222B	2		E18-B SHLD A222					.25 .25				
A 222W			P1-C27 P3-L8					.15 .19			7, 18 4	
A 223	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 223B	2		E18-B SHLD A223					.25 .25				
A 223W			P1-C28 P3-M1					.15 .19			7, 18 4	
A 224	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 224B	2		E18-B SHLD A224					.25 .25				
A 224W			P1-C29 P3-M2					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 57 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 225	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 225B	2		E18-B SHLD A225					.25 .25				
A 225W			P1-C30 P3-M3					.15 .19			7, 18 4	
A 226	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 226B	2		E18-B SHLD A226					.25 .25				
A 226W			P1-C31 P3-M6					.15 .19			7, 18 4	
A 227	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 227B	2		E18-B SHLD A227					.25 .25				
A 227W			P1-C32 P3-M7					.15 .19			7, 18 4	
A 228	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 228B	2		E18-B SHLD A228					.25 NO .25 NO				
A 228W			P1-C33 P3-M8					.15 NO .19 NO			7, 18- 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 58 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 229	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 229B	2		E18-B SHLD A229					.25 NO .25 NO				
A 229W			P1-C34 P3-N1					.15 NO .19 NO			7, 18 4	
A 230	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 230B	2		E18-B SHLD A230					.25 NO .25 NO				
A 230W			P1-C35 P3-N2					.15 NO .19 NO			7, 18 4	
A 231	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 231B	2		E18-B SHLD A231					.25 NO .25 NO				
A 231W			P1-D26 P3-N3					.15 NO .19 NO			7, 18 4	
A 232	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 232B	2		E19-B SHLD A232					.25 NO .25 NO				
A 232W			P1-D27 P3-N4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 59 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 233	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 233B	2		E19-B SHLD A233					.25 NO .25 NO				
A 233W			P1-D28 P3-N5					.15 NO .19 NO			7, 18 4	
A 234	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 234B	2		E19-B SHLD A234					.25 NO .25 NO				
A 234W			P1-D29 P3-N6					.15 NO .19 NO			7, 18 4	
A 235	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 235B	2		E19-B SHLD A235					.25 NO .25 NO				
A 235W			P1-D30 P3-N7					.15 NO .19 NO			7, 18 4	
A 236	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 236B	2		E19-B SHLD A236					.25 NO .25 NO				
A 236W			P1-D31 P3-N8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 60 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 237B	2		E19-B SHLD A237					.25 NO .25 NO				
A 237W			P1-D32 P3-P1					.15 NO .19 NO			7, 18 4	
A 238	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 238B	2		E19-B SHLD A238					.25 NO .25 NO				
A 238W			P1-D33 P3-P2					.15 NO .19 NO			7, 18 4	
A 239	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 239B	2		E19-B SHLD A239					.25 NO .25 NO				
A 239W			P1-D34 P3-P3					.15 NO .19 NO			7, 18 4	
A 240	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 240B	2		E19-B SHLD A240					.25 NO .25 NO				
A 240W			P1-D35 P3-P4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 61 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 241	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 241B	2		E19-B SHLD A241					.25 NO .25 NO				
A 241W			P1-F26 P3-P5					.15 NO .19 NO			7, 18 4	
A 242	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 242B	2		E19-B SHLD A242					.25 NO .25 NO				
A 242W			P1-F27 P3-P6					.15 NO .19 NO			7, 18 4	
A 243	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 243B	2		E19-B SHLD A243					.25 NO .25 NO				
A 243W			P1-F28 P3-P7					.15 NO .19 NO			7, 18 4	
A 244	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 244B	2		E20-B SHLD A244					.25 NO .25 NO				
A 244W			P1-F29 P3-P8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 62 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 245	1				6.25 3.25	6.00 3.00			8,7 A,6A	9 8, 9	
A 245B	2		E20-B SHLD A245				.25 NO .25 NO				
A 245W			P1-F30 P3-R1				.15 NO .19 NO			7, 18 4	
A 246	1				6.25 3.25	6.00 3.00			8,7 A,6A	9 8, 9	
A 246B	2		E20-B SHLD A246				.25 NO .25 NO				
A 246W			P1-F31 P3-R2				.15 NO .19 NO			7, 18 4	
A 247	1				6.25 3.25	6.00 3.00			8,7 A,6A	9 8, 9	
A 247B	2		E20-B SHLD A247				.25 NO .25 NO				
A 247W			P1-F32 P3-R3				.15 NO .19 NO			7, 18 4	
A 248	1				6.25 3.25	6.00 3.00			8,7 A,6A	9 8, 9	
A 248B	2		E20-B SHLD A248				.25 NO .25 NO				
A 248W			P1-F33 P3-R4				.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 63 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	1				6.25 3.25	6.00 3.00			8,7 A,6A	9 8, 9	
A 249B	2		E20-B SHLD A249				.25 NO .25 NO				
A 249W			P1-F34 P3-R5				.15 NO .19 NO			7, 18 4	
A 250	1				6.25 3.25	6.00 3.00			8,7 A,6A	9 8, 9	
A 250B	2		E20-B SHLD A250				.25 NO .25 NO				
A 250W			P1-F35 P3-R6				.15 NO .19 NO			7, 18 4	
A 251	1				6.25 3.25	6.00 3.00			8,7 A,6A	9 8, 9	
A 251B	2		E20-B SHLD A251				.25 NO .25 NO				
A 251W			P1-G26 P3-R7				.15 NO .19 NO			7, 18 4	
A 252	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 252B	2		E20-B SHLD A252				.25 NO .25 NO				
A 252W			P1-G27 P3-R8				.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 64 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 253B	2		E20-B SHLD A253				.25 NO .25 NO				
A 253W			P1-G28 P3-S1				.15 NO .19 NO			7, 18 4	
A 254	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 254B	2		E20-B SHLD A254				.25 NO .25 NO				
A 254W			P1-G29 P3-S2				.15 NO .19 NO			7, 18 4	
A 255	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 255B	2		E20-B SHLD A255				.25 NO .25 NO				
A 255W			P1-G30 P3-S3				.15 NO .19 NO			7, 18 4	
A 256	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 256B	2		E21-B SHLD A256				.25 NO .25 NO				
A 256W			P1-G31 P3-S4				.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 65 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 257	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 257B	2		E21-B SHLD A257				.25 NO .25 NO				
A 257W			P1-G32 P3-S5				.15 NO .19 NO			7, 18 4	
A 258	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 258B	2		E21-B SHLD A258				.25 NO .25 NO				
A 258W			P1-G33 P3-S6				.15 NO .19 NO			7, 18 4	
A 259	1				6.75 3.75	6.50 3.50			8,7 A,6A	9 8, 9	
A 259B	2		E21-B SHLD A259				.25 NO .25 NO				
A 259W			P1-G34 P3-S7				.15 NO .19 NO			7, 18 4	
A 260	1				4.25 4.25	4.00 4.00			8,7 A,6A	9 8, 9	
A 260B	2		E21-B SHLD A260				.25 NO .25 NO				
A 260W			P1-G35 P3-S8				.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 66 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2618	2		E21-B SHLD A261					.25 NO .25 NO				
A 261W			P1-H26 P3-T1					.15 NO .19 NO			7, 18 4	
A 262	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2628	2		E21-B SHLD A262					.25 NO .25 NO				
A 262W			P1-H27 P3-T2					.15 NO .19 NO			7, 18 4	
A 263	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2638	2		E21-B SHLD A263					.25 NO .25 NO				
A 263W			P1-H28 P3-T3					.15 NO .19 NO			7, 18 4	
A 264	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2648	2		E21-B SHLD A264					.25 NO .25 NO				
A 264W			P1-H29 P3-T4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 67 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2658	2		E21-B SHLD A265					.25 NO .25 NO				
A 265W			P1-H30 P3-T5					.15 NO .19 NO			7, 18 4	
A 266	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2668	2		E21-B SHLD A266					.25 NO .25 NO				
A 266W			P1-H31 P3-T6					.15 NO .19 NO			7, 18 4	
A 267	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 2678	2		E21-B SHLD A267					.25 NO .25 NO				
A 267W			P1-H32 P3-T7					.15 NO .19 NO			7, 18 4	
A 268	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2688	2		E22-B SHLD A268					.25 NO .25 NO				
A 268W			P1-H33 P3-T8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 68 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 269	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2698	2		E22-B SHLD A269					.25 NO .25 NO				
A 269W			P1-H34 P3-U1					.15 NO .19 NO			7, 18 4	
A 270	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2708	2		E22-B SHLD A270					.25 NO .25 NO				
A 270W			P1-H35 P3-U2					.15 NO .19 NO			7, 18 4	
A 271	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2718	2		E22-B SHLD A271					.25 NO .25 NO				
A 271W			P1-K26 P3-U3					.15 NO .19 NO			7, 18 4	
A 272	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2728	2		E22-B SHLD A272					.25 NO .25 NO				
A 272W			P1-K27 P3-U4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 69 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2738	2		E22-B SHLD A273					.25 NO .25 NO				
A 273W			P1-K28 P3-U5					.15 NO .19 NO			7, 18 4	
A 274	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2748	2		E22-B SHLD A274					.25 NO .25 NO				
A 274W			P1-K29 P3-U6					.15 NO .19 NO			7, 18 4	
A 275	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 2758	2		E22-B SHLD A275					.25 NO .25 NO				
A 275W			P1-K30 P3-U7					.15 NO .19 NO			7, 18 4	
A 276	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2768	2		E22-B SHLD A276					.25 NO .25 NO				
A 276W			P1-K31 P3-U8					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 70 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2778	2		E22-B SHLD A277					.25 NO .25 NO				
A 277W			P1-K32 P3-V1					.15 NO .19 NO			7, 18 4	
A 278	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2788	2		E22-B SHLD A278					.25 NO .25 NO				
A 278W			P1-K33 P3-V2					.15 NO .19 NO			7, 18 4	
A 279	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2798	2		E22-B SHLD A279					.25 NO .25 NO				
A 279W			P1-K34 P3-V3					.15 NO .19 NO			7, 18 4	
A 280	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2808	2		E23-B SHLD A280					.25 NO .25 NO				
A 280W			P1-K35 P3-V4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 71 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 281	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2818	2		E23-B SHLD A281					.25 NO .25 NO				
A 281W			P1-A36 P3-V5					.15 NO .19 NO			7, 18 4	
A 282	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2828	2		E23-B SHLD A282					.25 NO .25 NO				
A 282W			P1-A37 P3-V6					.15 NO .19 NO			7, 18 4	
A 283	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 2838	2		E23-B SHLD A283					.25 NO .25 NO				
A 283W			P1-A38 P3-V7					.15 NO .19 NO			7, 18 4	
A 284	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2848	2		E23-B SHLD A284					.25 .25				
A 284W			P1-A39 P3-V8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 72 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 287	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2878	2		E23-B SHLD A287					.25 .25				
A 287W			P1-B36 P3-W3					.15 .19			7, 18 4	
A 288	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2888	2		E23-B SHLD A288					.25 .25				
A 288W			P1-B37 P3-W4					.15 .19			7, 18 4	
A 289	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2898	2		E23-B SHLD A289					.25 .25				
A 289W			P1-B38 P3-W5					.15 .19			7, 18 4	
A 290	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2908	2		E23-B SHLD A290					.25 .25				
A 290W			P1-B39 P3-W6					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 73 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 291	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 2918	2		E23-B SHLD A291					.25 .25				
A 291W			P1-B40 P3-W7					.15 .19			7, 18 4	
A 292	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2928	2		E23-B SHLD A292					.25 NO .25 NO				
A 292W			P1-B41 P3-W8					.15 NO .19 NO			7, 18 4	
A 293	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2938	2		E23-B SHLD A293					.25 NO .25 NO				
A 293W			P1-C36 P3-X3					.15 NO .19 NO			7, 18 4	
A 294	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 2948	2		E24-B SHLD A294					.25 NO .25 NO				
A 294W			P1-C37 P3-X4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR E	SHEET 74 OF 86

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 295	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 295B	2		E26-B SHLD A295					.25 NO .25 NO				
A 295W			P1-C38 P4-X4					.15 NO .19 NO			7, 18 4	
A 296	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 296B	2		E26-B SHLD A296					.25 NO .25 NO				
A 296W			P1-C39 P4-X5					.15 NO .19 NO			7, 18 4	
A 297	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 297B	2		E24-B SHLD A297					.25 NO .25 NO				
A 297W			P1-C40 P3-E1					.15 NO .19 NO			7, 18 4	
A 298	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 298B	2		E24-B SHLD A298					.25 NO .25 NO				
A 298W			P1-C41 P3-E2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR F	SHEET 75 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 299	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A 299B	2		E24-B SHLD A299					.25 NO .25 NO				
A 299W			P1-D36 P3-E3					.15 NO .19 NO			7, 18 4	
A 300	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 300B	2		E24-B SHLD A300					.25 NO .25 NO				
A 300W			P1-D37 P3-E4					.15 NO .19 NO			7, 18 4	
A 301	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 301B	2		E24-B SHLD A301					.25 NO .25 NO				
A 301W			P1-D38 P3-E5					.15 NO .19 NO			7, 18 4	
A 302	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 302B	2		E24-B SHLD A302					.25 NO .25 NO				
A 302W			P1-D39 P3-E6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 76 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 303	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 303B	2		E24-B SHLD A303					.25 NO .25 NO				
A 303W			P1-D40 P3-E7					.15 NO .19 NO			7, 18 4	
A 304	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 304B	2		E24-B SHLD A304					.25 NO .25 NO				
A 304W			P1-D41 P3-E8					.15 NO .19 NO			7, 18 4	
A 305	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 305B	2		E25-B SHLD A305					.25 NO .25 NO				
A 305W			P1-F36 P4-A3					.15 NO .19 NO			7, 18 4	
A 306	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 306B	2		E25-B SHLD A306					.25 NO .25 NO				
A 306W			P1-F37 P4-A4					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 77 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 307	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A 307B	2		E25-B SHLD A307					.25 NO .25 NO				
A 307W			P1-F38 P4-A5					.15 NO .19 NO			7, 18 4	
A 308	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 308B	2		E25-B SHLD A308					.25 NO .25 NO				
A 308W			P1-F39 P4-A6					.15 NO .19 NO			7, 18 4	
A 309	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 309B	2		E25-B SHLD A309					.25 NO .25 NO				
A 309W			P1-F40 P4-B1					.15 NO .19 NO			7, 18 4	
A 310	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 310B	2		E25-B SHLD A310					.25 NO .25 NO				
A 310W			P1-F41 P4-B2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR #E	SHEET 78 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 311	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 3118	2		E25-B SHLD A311					.25 NO .25 NO				
A 311W			P1-G36 P4-B3					.15 NO .19 NO			7, 18 4	
A 312	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 312B	2		E25-B SHLD A312					.25 NO .25 NO				
A 312W			P1-G37 P4-B4					.15 NO .19 NO			7, 18 4	
A 313	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 313B	2		E25-B SHLD A313					.25 NO .25 NO				
A 313W			P1-G38 P4-B5					.15 NO .19 NO			7, 18 4	
A 314	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 314B	2		E25-B SHLD A314					.25 NO .25 NO				
A 314W			P1-G39 P4-B6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 79 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 315	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 315B	2		E25-B SHLD A315					.25 NO .25 NO				
A 315W			P1-G40 P4-B7					.15 NO .19 NO			7, 18 4	
A 316	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 316B	2		E25-B SHLD A316					.25 NO .25 NO				
A 316W			P1-G41 P4-B8					.15 NO .19 NO			7, 18 4	
A 317	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 317B	2		E25-B SHLD A317					.25 NO .25 NO				
A 317W			P1-H36 P4-C1					.15 NO .19 NO			7, 18 4	
A 318	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 318B	2		E26-B SHLD A318					.25 NO .25 NO				
A 318W			P1-H37 P4-C2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 80 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 319	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 319B	2		E26-B SHLD A319					.25 NO .25 NO				
A 319W			P1-H38 P4-C3					.15 NO .19 NO			7, 18 4	
A 320	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 320B	2		E26-B SHLD A320					.25 NO .25 NO				
A 320W			P1-H39 P4-C4					.15 NO .19 NO			7, 18 4	
A 321	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 321B	2		E26-B SHLD A321					.25 NO .25 NO				
A 321W			P1-H40 P4-C5					.15 NO .19 NO			7, 18 4	
A 322	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 322B	2		E26-B SHLD A322					.25 NO .25 NO				
A 322W			P1-H41 P4-C6					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 81 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 323	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 323B	2		E26-B SHLD A323					.25 NO .25 NO				
A 323W			P1-K36 P4-C7					.15 NO .19 NO			7, 18 4	
A 324	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 324B	2		E26-B SHLD A324					.25 NO .25 NO				
A 324W			P1-K37 P4-C8					.15 NO .19 NO			7, 18 4	
A 325	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 325B	2		E26-B SHLD A325					.25 NO .25 NO				
A 325W			P1-K38 P4-D1					.15 NO .19 NO			7, 18 4	
A 326	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 326B	2		E26-B SHLD A326					.25 NO .25 NO				
A 326W			P1-K39 P4-D2					.15 NO .19 NO			7, 18 4	

SIZE	CODE IDENT NO.	2901061
A	99974	
SCALE-NONE	REV LTR #E	SHEET 82 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 327	6		E1-BB E27-B					.25 .25	NO NO			
A 328	6		E2-BB E27-B					.25 .25	NO NO			
A 329	6		E3-BB E27-B					.25 .25	NO NO			
A 330	6		E4-BB E27-B					.25 .25	NO NO			
A 331	6		E5-BB E27-B					.25 .25	NO NO			
A 332	6		E6-BB E27-B					.25 .25	NO NO			
A 333	6		E7-BB E27-B					.25 .25	NO NO			
A 334	6		E8-BB E27-B					.25 .25	NO NO			
A 335	6		E9-BB E27-B					.25 .25	NO NO			
A 336	6		E10-BB E27-B					.25 .25	NO NO			
A 337	6		E11-BB E27-B					.25 .25	NO NO			
A 338	6		E12-BB E27-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR EE	SHEET 83 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 339	6		E13-BB E28-B					.25 .25	NO NO			
A 340	6		E14-BB E28-B					.25 .25	NO NO			
A 341	6		E15-BB E28-B					.25 .25	NO NO			
A 342	6		E16-BB E28-B					.25 .25	NO NO			
A 343	6		E17-BB E28-B					.25 .25	NO NO			
A 344	6		E18-BB E28-B					.25 .25	NO NO			
A 345	6		E19-BB E28-B					.25 .25	NO NO			
A 346	6		E20-BB E28-B					.25 .25	NO NO			
A 347	6		E21-BB E28-B					.25 .25	NO NO			
A 348	6		E22-BB E28-B					.25 .25	NO NO			
A 349	6		E23-BB E28-B					.25 .25	NO NO			
A 350	6		E24-BB E28-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR EE	SHEET 84 OF 86

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 351	6		E25-BB E29-B					.25 .25	NO NO			
A 352	6		E26-BB E29-B					.25 .25	NO NO			
A 353	5		E27-BB P2-X6					.25 .19	NO NO		26	
A 354	5		E28-BB P3-X6					.25 .19	NO NO		26	
A 355	5		E29-BB P4-X6					.25 .19	NO NO		26	

SIZE	CODE IDENT NO.	
A	99974	2901061
SCALE-NONE	REV LTR EE	SHEET 85 OF 86

MIL 2084 9-65

1901062

REVISIONS TDR6 3 MAR 64

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			

13.00
12.00
2 PLACES

9.00
8.00
2 PLACES

11.00
10.00
2 PLACES

8.25
7.25
2 PLACES

6.50
7.50
3 PLACES

(10) P2

SEE NOTE 8 (12)(13) E1 THRU E6

SEE NOTES 3 & 8 (15) MARK: W555-P2 (BB-J1/J3)

SEE NOTE 8 (12)(13) E7 THRU E12

SEE NOTE 8 (21)(22) E27

(19) 3 REQD SEE NOTE 13

(12)(13) SEE NOTE 8 E13 THRU E18

E28 (21)(22) SEE NOTE 8

(16) SEE NOTE 9 6 PLACES

12.00 MIN 2 PLACES

ROW 1 TYP

P3

(23)

(12)(13) SEE NOTE 8 E29

(12)(13) SEE NOTE 8 E25 & E26

(15) SEE NOTES 3 & 8 MARK: W555-P3 (BB-J2/J4)

4.50
3.50

SEE NOTES (15) 3, 6 & 10

SEE NOTE 8 (12)(13) E19 THRU E24

11.50
10.50

9.50
8.50

9.00
8.00

P4

(24)

SEE NOTES 3 & 8 (15) MARK: W555-P4 (BB-J5/J6)

7.00 APPROX

(11)

.25 MIN 2 PLACES

(15) SEE NOTES 3 & 8 MARK: W555-P1 (45J4-BLK2)

PIN 1A

P1

(3)

12.00 MAX

(25) TYP

4 FEET 6 INCHES
4 FEET 0 INCHES

2901076-011 NEXT ASSY	2901076-C11 USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE ± 3 PLACE ± ANGLES ±
DECIMALS DECIMALS
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN SPLANE 9 DEC 65 DATE
CHECKED [illegible] 2 MAR 64
APPROVAL [illegible] 5/2/64
CONTRACT NAS9-479
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W555

SIZE	CODE IDENT NO.	
D	99974	2901061

SCALE NONE SHEET 86 OF 86

MIL 10770 A

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM. SEE SPECIFICATION CONTROL DRAWING.
3. BOND (34)(35)(36)(37)(38) TO (1) AND (31)(33)(35)(39) TO (2) PER ND1002203.
4. SOLDER PER ND 1002071 USING ITEMS (45) OR (46) AND (47).
5. BOND LEADS ON OPPOSITE SIDE OF COMPONENTS OF ITEM (1) PER ND 1002203. DO NOT EXCEED THE .100 DIMENSION.
6. APPLY (48) TO THE MATING THREADS OF (3)(5) PER ND1002211.
7. SERIALIZE PER ND 1002023.
8. THIS AREA ON NEAR AND FAR SIDE OF BOARD MUST BE FREE OF WIRE LEADS, COMPONENTS, AND BONDING MATERIAL.
9. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
10. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND1002019, .09 HIGH, COLOR BLACK.
11. CUT UNUSED TRANSFORMER LEADS .16 MAX LONG AND COAT ENDS WITH (44).
12. TYPICAL CONNECTION FOR LEADS AA33, AA34, AND AA35, OF ITEM (41), LEAD SET A-A.

TABLE 1

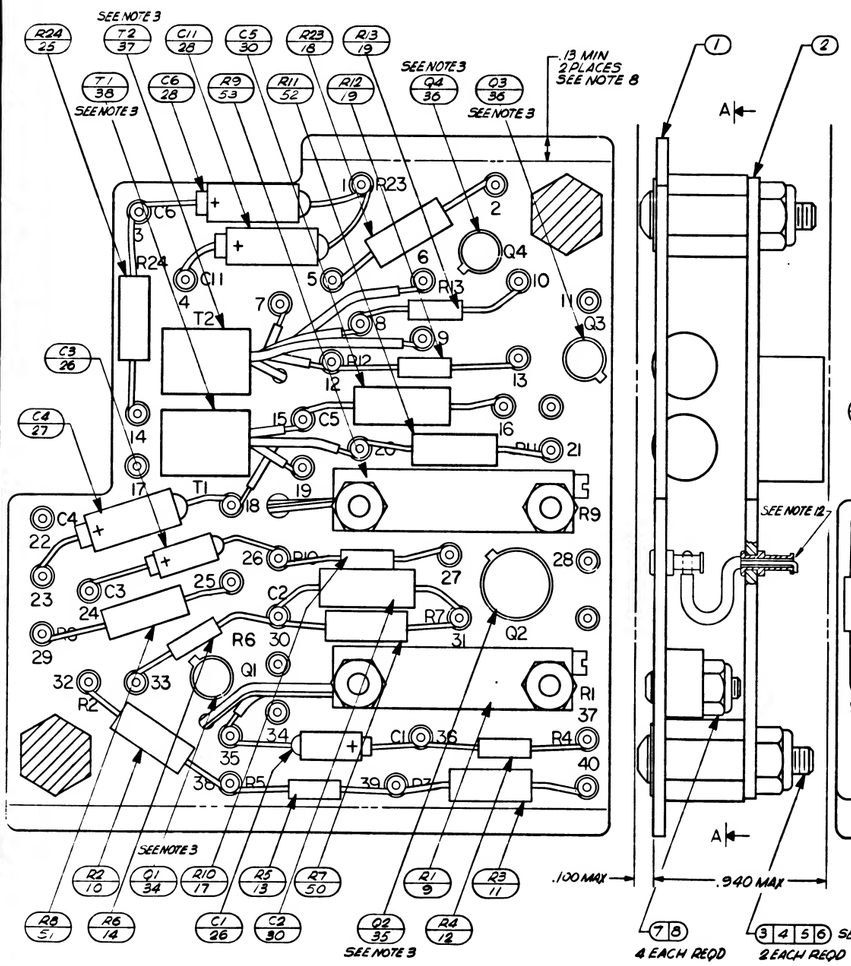
FROM	TO	ACCESS ITEM
Q1 - 1	TERM-64	
- 2	-68	
- 3	-66	
Q2 - 1	-68	
- 2	-63	
- 3	-62	
Q3 - 1	-53	
- 2	-50	
- B	-48	
- C	-49	
Q4 - 1	-50	42
- 2	-130	
- B	-47	
- C	-43	
Q5 - 1	-118	
- 2	-119	
- 3	-123	
Q6 - 1	-104	
- 2	-103	42
- 3	TERM -100	

TABLE 1 (CONT)

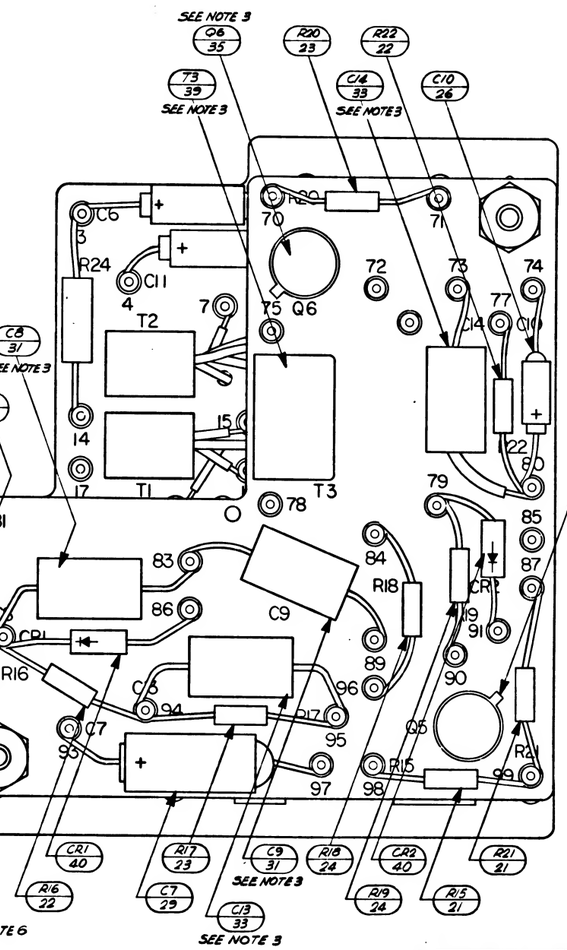
FROM	TO	ACCESS ITEM
T1 - YEL	TERM - 18	
- GRN	- 19	
- RED	- 20	
- WHT	- 15	
- BLU	- 15	
T2-BLU/YEL	- 7	
GRN	- 6	
BRN	- 54	
BLU	- 9	
BLK	- 8	
WHT	- 12	
T3 - 1	-106	
- 2	-110	
- 5	-112	
- 6	-113	43
R1 - RED	-35	
- YEL	-67	
- GRN	-56	
R9 - RED	-65	
- YEL	-61	
- GRN	TERM -65	
TERM - 107	TERM -115	43

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	J	REPLACES REV H WITH CHG PER MAC 209689		5 MAY 66	
	C	REVISED PER MAC 210282		23 MAY 66	
	D	REVISED PER MAC 210546		6 JUN 66	
	E	REVISED PER MAC 2.0747		11 JUL 66	
	F	INITIAL RELEASE CLASS A PER TDRR 28578		2 SEP 66	



SECTION A-A



ITEM NO	EFFECTIVITY	QTY	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	X		54	PS2901063	PROCUREMENT SPECIFICATION
		1	53	RT12C2L203	(1896967-011) RESISTOR MIL-R-27208/18
		1	52	RN60D1000F	(1896915-193) MIL-R-10509/11E
		1	51	RN60D3651F	(1896915-343) MIL-R-10509/11E
		1	50	RN60D2672F	(1896915-426) RESISTOR MIL-R-10509/11E
	X		49	2900988	SCHEMATIC DIAGRAM, ELEC
		AR	48	MIL-S-22473 GRADE A RETAINING COMPOUND (ES2544-1)	
		AR	47	MIL-F-14256 TYPE A OR W FLUX (ES2798)	
		AR	46	SN60W5	SOLDER QQ-S-571 (ES2175-1)
		AR	45	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
SEE NOTE 2		AR	44	1016198-1	PAINT, INSULATING (BLUE)
		AR	43	1006776-21	INSULATION, SLEEVING
		AR	42	1006776-22	INSULATION, SLEEVING
		1	41	2901172	LEAD SET AA
		2	40	IN914	(1896966-044) DIODE MIL-S-19500
SEE NOTE 2		1	39	1016010	TRANSFORMER
		1	38	1897388-035	TRANSFORMER
SEE NOTE 2		1	37	1897388-038	TRANSFORMER
SEE NOTE 2		2	36	1897392	TRANSISTOR
		3	35	1015928-001	TRANSISTOR
		1	34	1015935-001	TRANSISTOR
		2	33	CM15FI2U03	(1896969-125) CAPACITOR MIL-C-5/
			32		
		2	31	CM15FI1J03	(1896969-140) MIL-C-5/
		2	30	CTM103VAK	(1896957-003) MIL-C-2225/11
		1	29	CS13BG186K	(1896954-181) MIL-C-26655/20
		2	28	CS13BG225K	(1896954-164) MIL-C-26655/20
		1	27	CS13BF685K	(1896954-141) MIL-C-26655/20
		3	26	CS13BG105K	(1896954-158) CAPACITOR MIL-C-26655/20
		1	25	RN60D1003F	(3789.5-481) RESISTOR MIL-R-10509/E
		2	24	RCO7GF203J	(1896985-080) MIL-R-11/8
		2	23	RCO7GF513J	(1896985-090)
		2	22	RCO7GF104J	(1896985-097)
		2	21	RCO7GF392J	(1896985-063)
		1	20	RCO7GF201J	(1896985-032)
		2	19	RCO7GF102J	(1896985-049) MIL-R-11/8
		1	18	RN60D5620F	(1893.5-265) MIL-R-10509/E
		1	17	RCO7GF432J	(1896985-064) MIL-R-11/8
		1	~~16~~	~~RN60D1912F~~	(~~1893.5-393~~) ~~MIL-R-10509/E~~
		1	~~15~~	~~RN60D1502F~~	(~~1893.5-422~~) ~~MIL-R-10509/E~~
		1	14	RCO7GF103J	(1896985-073) MIL-R-11/8
		1	13	RCO7GF155J	(1896985-123) MIL-R-11/8
		1	12	RCO7GF472J	(1896985-065) MIL-R-11/8
		1	11	RN60D6188F	(1896915-557) MIL-R-10509/E
		1	10	RN60D4932F	(1896915-452) MIL-R-10509/E
		1	9	1015989-009	RESISTOR
		4	8	1016151-002	NUT, SELF LOCKING
		4	7	1006783-12	SCREW, BUTTON HD.
		2	6	1016151-006	NUT, SELF LOCKING
		2	5	1006783-21	SCREW, BUTTON HD.
		2	4	AN960C6L	(1897006-036) WASHER, FLAT
		2	3	2900579-001	POST
		1	2	2901167	TERMINAL BOARD (INSEP ASSY)
		1	1	2901166	TERMINAL BOARD (INSEP ASSY)

QUANTITY REQUIRED — LIST OF PARTS AND MATERIALS

APPLICABLE DASH NO.	6900088-011	6900088-011
	2901143-011	2901143-011
	NEXT ASSY	USED ON
	APPLICATION	

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± 3 PLACE DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN — DATE 8-29-66

CHECKED

APPROVAL

CONTRACT NAS9-497

NASA APPROVAL

MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON TEXAS

CIRCUIT BOARD ASSEMBLY-PHASE DIFFERENCE

SIZE E | CODE IDENT NO. 99974 | 2901063

SCALE 2/1 | SHEET 1 OF 1

APPLICATION	
NEXT ASSY	USED ON
2900926-011	2900895-011

REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED
D	REPLACES REV. C WITH CHANGE PER MXC 211127	18 APR 66	HTO
E	REVISED PER MXC 211679	22 APR 66	JB
F	REVISED PER MXC 211797	28 APR 66	JHP CP
G	REVISED PER MXC 211980	2 MAY 66	LGC
H	INITIAL RELEASE CLASS A PER TDRR 28659	4 MAY 66	GM EF

REV	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
SHEET	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46

REV STATUS OF SHEETS																					
REV					H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
SHEET					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

	DAY	MO	YR
DRAFTSMAN	5	APR	66
CHECKER	16	APR	66
ENGINEER	16	APR	66
APPROVAL			
CONTR NO.	NAS 9-497		
NASA APPROVAL	5/16/66		
MIT APPROVAL	5/17/66		

WIRING HARNESS A

SIZE	CODE IDENT. NO	
A	99974	2901064

SCALE NONE — SHEET 1 OF 90

MIL 1377A6 12-65

REVISION STATUS OF SHEETS																	
SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
47	H	81	H														
48	H	82	H														
49	H	83	H														
50	H	84	H														
51	H	85	H														
52	H	86	H														
53	H	87	H														
54	H	88	H														
55	H	89	H														
56	H	90	H														
57	H																
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79	H																
80	H																

SIZE	CODE IDENT. NO.	
A	99974	2901064

SCALE NONE — REV LTR G H — SHEET 2 OF 90

MIL 1377A3 8-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - 1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	ASSEMBLE PER ND 1002032
4	LACE HARNESS USING ITEM 38.
5	TAPE HARNESS USING ITEM 39.
6	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 38.
7	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
8	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
9	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS
10	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
11	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.
12	SOLDER PER ND1002071 USING ITEM 37 OR ITEMS 35 AND 36.
13	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
14	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR F G H	SHEET 3 of ~~89~~ 90

MIL 2084 9-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - SHIELD LEAD ON FRONT END L - WHITE WITH BLUE TRACER. R - WHITE WITH RED TRACER.
16	LOCATE IDENTIFICATION SLEEVES ADJACENT TO SOLDER SLEEVES UNLESS OTHERWISE SPECIFIED.
17	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
18	TWIST THE FOLLOWING LEADS TOGETHER WITH A LAY NO GREATER THAN 15 TIMES OR NO LESS THAN 10 TIMES THE DIAMETER OF TWISTED LEAD. AS TWISTED LEADS A805 AND A806 A807 AND A808 A809 AND A810

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR F G H	SHEET 4 OF ~~89~~ 90

MIL 2084 9-65

NOTE GENERAL NOTES
NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR F G H	SHEET 5 OF ~~89~~ 90

MIL 2084 9-65

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	2	MS3127E24-61S	(1897056-610) CONNECTOR, ELECTRICAL
	2	2	MS3127E24-61SW	(1897056-611) CONNECTOR, ELECTRICAL
	3	2	MS3127E24-61SX	(1897056-612) CONNECTOR, ELECTRICAL
	4	1	MS3127E24-61SY	(1897056-613) CONNECTOR, ELECTRICAL
	5	1	MS3127E24-61SZ	(1897056-614) CONNECTOR, ELECTRICAL
	6	1	MS3127E24-61P	(1897055-610) CONNECTOR, ELECTRICAL
8	7	1	1015957-167	CONNECTOR, RECEPTACLE, ELECTRICAL
8	8	1	1015957-168	CONNECTOR, RECEPTACLE, ELECTRICAL
8	9	1	1015957-169	CONNECTOR, RECEPTACLE, ELECTRICAL
8	10	1	1015957-170	CONNECTOR, RECEPTACLE, ELECTRICAL
8	11	1	1015957-171	CONNECTOR, RECEPTACLE, ELECTRICAL
8	12	1	1015957-172	CONNECTOR, RECEPTACLE, ELECTRICAL
8	13	1	1015957-173	CONNECTOR, RECEPTACLE, ELECTRICAL
8	14	1	1015957-174	CONNECTOR, RECEPTACLE, ELECTRICAL
8	15	1	1015957-175	CONNECTOR, RECEPTACLE, ELECTRICAL
8	16	1	1015957-176	CONNECTOR, RECEPTACLE, ELECTRICAL
8	17	1	1015957-179	CONNECTOR, RECEPTACLE, ELECTRICAL
8	18	1	1015957-180	CONNECTOR, RECEPTACLE, ELECTRICAL

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR F G H	SHEET 6 OF ~~89~~ 90

MIL 2084 9-65

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
8	19	1	1015957-181	CONNECTOR, RECEPTACLE, ELECTRICAL
8	20	1	1015957-182	CONNECTOR, RECEPTACLE, ELECTRICAL
8	21	1	1015957-183	CONNECTOR, RECEPTACLE, ELECTRICAL
8	22	1	2901148-001	CONNECTOR, PLUG, ELECTRICAL
8	23	20	1897389-001	CONNECTOR, RECEPTACLE, ELECTRICAL
8	24	15	1015957-166	CONNECTOR, RECEPTACLE, ELECTRICAL
8	25	801	1015864-109	INSULATION-SLEEVING, ELECTRICAL
8	26	4	1015864-105	INSULATION-SLEEVING, ELECTRICAL
8	27	28	1897414-001	CONTACT, TAPER TAB, ELECTRICAL
8	28	92	1897414-002	CONTACT, TAPER TAB, ELECTRICAL
8	29	120	1015864-166	INSULATION-SLEEVING, ELECTRICAL
8	30	1	1016128-001	BAND-IDENTIFICATION, BLANK
8	31	6	1010763- 2	SLEEVE, SOLDER, ELECTRICAL
8	32	19	1010490-228	INSULATION-SLEEVING, HEAT SHRINKABLE, ELEC
	33	1	2901064-001	WIRE, ND1002181 TYPE 2 CLASS 4, WHT JACKET, 22 AWG WHT/BLUE, WHT/RED FT TOTAL LENGTH.
	34	1	2901064-002	WIRE, ND1002181 TYPE 1 CLASS 1, 22AWG WHT FT TOTAL LENGTH
	35	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X GH	SHEET 7 OF 90

MIL 2084 9-65

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	36	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	37	AR	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
	38	AR	MIL-T-713B TYPE P CLASS 2 BLACK	LACING TAPE
	39	AR	MIL-I-15126F TYPE ACT	INSULATION TAPE, ELEC, PRESSURE SENSITIVE ADHESIVE .75 WIDE (ES2716 TYPE C)
8	40	1	1015902- 46	TERMINAL-LUG
8	41	199	1015864-107	INSULATION-SLEEVING, ELECTRICAL
	42	1	2901064-003	WIRE, ND1002181 TYPE 1 CLASS 1, 24AWG WHT FT TOTAL LENGTH
	43		MS3193A20A	CONTACT SOCKET, ELEC (FURNISHED WITH ITEMS 1, 2, 3, 4 AND 5)
	44		MS3192A20A	CONTACT PIN, ELEC (FURNISHED WITH ITEM 6)
8	45	1	1016006-001	SPLICE-REDUCER
8	46	1	1016006-002	SPLICE-REDUCER
8	47	1	1010490-258	INSULATION-SLEEVING, HEAT SHRINKABLE, ELEC

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X GH	SHEET 8 OF 90

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	34		J12-B	28				.25	YES		25	
				P65-24	44				.25	YES		25	
A	2	34		J12-J	28				.25	YES		25	
				P65-23	44				.25	YES		25	
A	3	34		J12-N	28				.25	YES		25	
				P66-24	43				.25	YES		25	
A	4	34		J12-V	28				.25	YES		25	
				P66-23	43				.25	YES		25	
A	5	34		J12-C	28				.25	YES		25	
				P51-25	58				.25	YES		25	
A	6	34		J12-K	28				.25	YES		25	
				P51-26	58				.25	YES		25	
A	7	34		J12-H	28				.25	YES		41	
				P51-27	58				.25	YES		25	
A	8	34		J12-L	28				.25	YES		41	
				P51-30	58				.25	YES		25	
A	9	34		J12-P	28				.25	YES		25	
				P52-25	57				.25	YES		25	
A	10	34		J12-W	28				.25	YES		25	
				P52-26	57				.25	YES		25	
A	11	34		J12-U	28				.25	YES		41	
				P52-27	57				.25	YES		25	
A	12	34		J12-X	28				.25	YES		41	
				P52-30	57				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X GH	SHEET 9 OF 90

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	34		J13-B	27				.25	YES		25	
				P63-24	46				.25	YES		25	
A	14	34		J13-J	27				.25	YES		25	
				P63-23	46				.25	YES		25	
A	15	34		J13-N	27				.25	YES		25	
				P64-24	45				.25	YES		25	
A	16	34		J13-V	27				.25	YES		25	
				P64-23	45				.25	YES		25	
A	17	34		J13-C	27				.25	YES		25	
				P53-25	56				.25	YES		25	
A	18	34		J13-K	27				.25	YES		25	
				P53-26	56				.25	YES		25	
A	19	34		J13-H	27				.25	YES		41	
				P53-27	56				.25	YES		25	
A	20	34		J13-L	27				.25	YES		41	
				P53-30	56				.25	YES		25	
A	21	34		J13-P	27				.25	YES		25	
				P54-25	55				.25	YES		25	
A	22	34		J13-W	27				.25	YES		25	
				P54-26	55				.25	YES		25	
A	23	34		J13-U	27				.25	YES		41	
				P54-27	55				.25	YES		25	
A	24	34		J13-X	27				.25	YES		41	
				P54-30	55				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X GH	SHEET 10 OF 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	34		J14-A	29				.25	YES		25	
			P67-24	42				.25	YES		25	
A 26	34		J14-J	29				.25	YES		25	
			P67-23	42				.25	YES		25	
A 27	34		J14-N	29				.25	YES		25	
			P68-24	41				.25	YES		25	
A 28	34		J14-V	29				.25	YES		25	
			P68-23	41				.25	YES		25	
A 29	34		J14-C	29				.25	YES		25	
			P55-25	54				.25	YES		25	
A 30	34		J14-K	29				.25	YES		25	
			P55-26	54				.25	YES		25	
A 31	34		J14-H	29				.25	YES		41	
			P55-27	54				.25	YES		25	
A 32	34		J14-L	29				.25	YES		41	
			P55-30	54				.25	YES		25	
A 33	34		J14-P	29				.25	YES		25	
			P56-25	53				.25	YES		25	
A 34	34		J14-W	29				.25	YES		25	
			P56-26	53				.25	YES		25	
A 35	34		J14-U	29				.25	YES		41	
			P56-27	53				.25	YES		25	
A 36	34		J14-X	29				.25	YES		41	
			P56-30	53				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR E G H	SHEET 11 OF ~~24~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	34		J15-B	30				.25	YES		25	
			P69-24	40				.25	YES		25	
A 38	34		J15-J	30				.25	YES		25	
			P69-23	40				.25	YES		25	
A 39	34		J15-N	30				.25	YES		25	
			P70-24	39				.25	YES		25	
A 40	34		J15-V	30				.25	YES		25	
			P70-23	39				.25	YES		25	
A 41	34		J15-C	30				.25	YES		25	
			P57-25	52				.25	YES		25	
A 42	34		J15-K	30				.25	YES		25	
			P57-26	52				.25	YES		25	
A 43	34		J15-H	30				.25	YES		41	
			P57-27	52				.25	YES		25	
A 44	34		J15-L	30				.25	YES		41	
			P57-30	52				.25	YES		25	
A 45	34		J15-P	30				.25	YES		25	
			P58-25	51				.25	YES		25	
A 46	34		J15-W	30				.25	YES		25	
			P58-26	51				.25	YES		25	
A 47	34		J15-U	30				.25	YES		41	
			P58-27	51				.25	YES		25	
A 48	34		J15-X	30				.25	YES		41	
			P58-30	51				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR E G H	SHEET 12 OF ~~24~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	34		J20-A	31				.25	YES		25	
			P62-18	47				.25	YES		25	
A 50	34		J20-J	31				.25	YES		25	
			P62-17	47				.25	YES		25	
A 51	34		J20-N	31				.25	YES		41	
			P62-16	47				.25	YES		25	
A 52	34		J20-P	31				.25	YES		41	
			P62-13	47				.25	YES		25	
A 53	34		J20-R	31				.25	YES		25	
			P61-18	48				.25	YES		25	
A 54	34		J20-T	31				.25	YES		25	
			P61-17	48				.25	YES		25	
A 55	34		J20-V	31				.25	YES		41	
			P61-16	48				.25	YES		25	
A 56	34		J20-W	31				.25	YES		41	
			P61-13	48				.25	YES		25	
A 57	34		J20-B	31				.25	YES		25	
			P59-25	50				.25	YES		25	
A 58	34		J20-K	31				.25	YES		25	
			P59-26	50				.25	YES		25	
A 59	34		J20-H	31				.25	YES		41	
			P59-27	50				.25	YES		25	
A 60	34		J20-L	31				.25	YES		41	
			P59-30	50				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR E G H	SHEET 13 OF ~~24~~ 90

M 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	34		J21-A	32				.25	YES		25	
			P63-16	46				.25	YES		25	
A 62	34		J21-H	32				.25	YES		25	
			P63-17	46				.25	YES		25	
A 63	34		J21-M	32				.25	YES		25	
			P64-18	45				.25	YES		25	
A 64	34		J21-U	32				.25	YES		25	
			P64-17	45				.25	YES		25	
A 65	34		J21-B	32				.25	YES		25	
			P60-25	49				.25	YES		25	
A 66	34		J21-J	32				.25	YES		25	
			P60-26	49				.25	YES		25	
A 67	34		J21-F	32				.25	YES		41	
			P60-27	49				.25	YES		25	
A 68	34		J21-K	32				.25	YES		41	
			P60-30	49				.25	YES		25	
A 69	34		J21-N	32				.25	YES		25	
			P61-30	48				.25	YES		25	
A 70	34		J21-V	32				.25	YES		25	
			P61-29	48				.25	YES		25	
A 71	34		J21-T	32				.25	YES		41	
			P61-28	48				.25	YES		25	
A 72	34		J21-W	32				.25	YES		41	
			P61-25	48				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR E G H	SHEET 14 OF ~~24~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	34		J10-A	9				.25	YES		25	
			P51-1	58				.25	YES		25	
A 74	34		J10-C	9				.25	YES		25	
			P51-2	58				.25	YES		25	
A 75	34		J10-F	9				.25	YES		25	
			P52-1	57				.25	YES		25	
A 76	34		J10-J	9				.25	YES		25	
			P52-2	57				.25	YES		25	
A 77	34		J10-L	9				.25	YES		25	
			P53-1	56				.25	YES		25	
A 78	34		J10-N	9				.25	YES		25	
			P53-2	56				.25	YES		25	
A 79	34		J10-R	9				.25	YES		25	
			P54-1	55				.25	YES		25	
A 80	34		J10-T	9				.25	YES		25	
			P54-2	55				.25	YES		25	
A 81	34		J10-V	9				.25	YES		25	
			P55-1	54				.25	YES		25	
A 82	34		J10-X	9				.25	YES		25	
			P55-2	54				.25	YES		25	
A 83	34		J11-A	10				.25	YES		25	
			P56-1	53				.25	YES		25	
A 84	34		J11-C	10				.25	YES		25	
			P56-2	53				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR X G H | SHEET 15 OF ~~84~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	34		J11-E	10				.25	YES		25	
			P57-1	52				.25	YES		25	
A 86	34		J11-H	10				.25	YES		25	
			P57-2	52				.25	YES		25	
A 87	34		J11-K	10				.25	YES		25	
			P58-1	51				.25	YES		25	
A 88	34		J11-M	10				.25	YES		25	
			P58-2	51				.25	YES		25	
A 89	34		J11-P	10				.25	YES		25	
			P59-1	50				.25	YES		25	
A 90	34		J11-S	10				.25	YES		25	
			P59-2	50				.25	YES		25	
A 91	34		J11-U	10				.25	YES		25	
			P60-1	49				.25	YES		25	
A 92	34		J11-W	10				.25	YES		25	
			P60-2	49				.25	YES		25	
A 93	34		J16-A	11				.25	YES		25	
			P51-7	58				.25	YES		25	
A 94	34		J16-C	11				.25	YES		25	
			P51-8	58				.25	YES		25	
A 95	34		J16-F	11				.25	YES		25	
			P52-7	57				.25	YES		25	
A 96	34		J16-J	11				.25	YES		25	
			P52-8	57				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR X G H | SHEET 16 OF ~~84~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 97	34		J16-L	11				.25	YES		25	
			P53-7	56				.25	YES		25	
A 98	34		J16-N	11				.25	YES		25	
			P53-8	56				.25	YES		25	
A 99	34		J16-R	11				.25	YES		25	
			P54-7	55				.25	YES		25	
A 100	34		J16-T	11				.25	YES		25	
			P54-8	55				.25	YES		25	
A 101	34		J16-V	11				.25	YES		25	
			P55-7	54				.25	YES		25	
A 102	34		J16-X	11				.25	YES		25	
			P55-8	54				.25	YES		25	
A 103	34		J17-A	12				.25	YES		25	
			P56-7	53				.25	YES		25	
A 104	34		J17-C	12				.25	YES		25	
			P56-8	53				.25	YES		25	
A 105	34		J17-E	12				.25	YES		25	
			P57-7	52				.25	YES		25	
A 106	34		J17-H	12				.25	YES		25	
			P57-8	52				.25	YES		25	
A 107	34		J17-K	12				.25	YES		25	
			P58-7	51				.25	YES		25	
A 108	34		J17-M	12				.25	YES		25	
			P58-8	51				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR X G H | SHEET 17 OF ~~84~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	34		J17-P	12				.25	YES		25	
			P59-7	50				.25	YES		25	
A 110	34		J17-S	12				.25	YES		25	
			P59-8	50				.25	YES		25	
A 111	34		J17-U	12				.25	YES		25	
			P60-7	49				.25	YES		25	
A 112	34		J17-W	12				.25	YES		25	
			P60-8	49				.25	YES		25	
A 113	34		J18-A	26				.25	YES		25	
			P51-13	58				.25	YES		25	
A 114	34		J18-C	26				.25	YES		41	
			P51-14	58				.25	YES		25	
A 115	34		J18-E	26				.25	YES		25	
			P52-13	57				.25	YES		25	
A 116	34		J18-J	26				.25	YES		25	
			P52-14	57				.25	YES		25	
A 117	34		J18-L	26				.25	YES		25	
			P53-13	56				.25	YES		25	
A 118	34		J18-N	26				.25	YES		25	
			P53-14	56				.25	YES		25	
A 119	34		J18-R	26				.25	YES		25	
			P54-13	55				.25	YES		25	
A 120	34		J18-T	26				.25	YES		25	
			P54-14	55				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR X G H | SHEET 18 OF ~~84~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 121	34		J18-V	26				.25	YES		25	
			P55-13	54				.25	YES		25	
A 122	34		J18-X	26				.25	YES		25	
			P55-14	54				.25	YES		25	
A 123	34		J19-A	25				.25	YES		25	
			P56-13	53				.25	YES		25	
A 124	34		J19-C	25				.25	YES		25	
			P56-14	53				.25	YES		25	
A 125	34		J19-E	25				.25	YES		25	
			P57-13	52				.25	YES		25	
A 126	34		J19-H	25				.25	YES		25	
			P57-14	52				.25	YES		25	
A 127	34		J19-K	25				.25	YES		25	
			P58-13	51				.25	YES		25	
A 128	34		J19-M	25				.25	YES		25	
			P58-14	51				.25	YES		25	
A 129	34		J19-P	25				.25	YES		25	
			P59-13	50				.25	YES		25	
A 130	34		J19-S	25				.25	YES		25	
			P59-14	50				.25	YES		25	
A 131	34		J19-U	25				.25	YES		25	
			P60-13	49				.25	YES		25	
A 132	34		J19-W	25				.25	YES		25	
			P60-14	49				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR K G H | SHEET 19 OF ~~24~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 133	34		J22-A	13				.25	YES		25	
			P51-19	58				.25	YES		25	
A 134	34		J22-C	13				.25	YES		25	
			P51-20	58				.25	YES		25	
A 135	34		J22-E	13				.25	YES		25	
			P52-19	57				.25	YES		25	
A 136	34		J22-J	13				.25	YES		25	
			P52-20	57				.25	YES		25	
A 137	34		J22-L	13				.25	YES		25	
			P53-19	56				.25	YES		25	
A 138	34		J22-N	13				.25	YES		25	
			P53-20	56				.25	YES		25	
A 139	34		J22-R	13				.25	YES		25	
			P54-19	55				.25	YES		25	
A 140	34		J22-T	13				.25	YES		25	
			P54-20	55				.25	YES		25	
A 141	34		J22-V	13				.25	YES		25	
			P55-19	54				.25	YES		25	
A 142	34		J22-X	13				.25	YES		25	
			P55-20	54				.25	YES		25	
A 143	34		J23-A	14				.25	YES		25	
			P56-19	53				.25	YES		25	
A 144	34		J23-C	14				.25	YES		41	
			P56-20	53				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR K G H | SHEET 20 OF ~~24~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 145	34		J23-D	14				.25	YES		25	
			P57-19	52				.25	YES		25	
A 146	34		J23-F	14				.25	YES		25	
			P57-20	52				.25	YES		25	
A 147	34		J23-J	14				.25	YES		25	
			P58-19	51				.25	YES		25	
A 148	34		J23-L	14				.25	YES		41	
			P58-20	51				.25	YES		25	
A 149	34		J23-M	14				.25	YES		25	
			P59-19	50				.25	YES		25	
A 150	34		J23-P	14				.25	YES		25	
			P59-20	50				.25	YES		25	
A 151	34		J23-S	14				.25	YES		25	
			P60-19	49				.25	YES		25	
A 152	34		J23-U	14				.25	YES		41	
			P60-20	49				.25	YES		25	
A 153	34		J23-V	14				.25	YES		25	
			P57-21	52				.25	YES		25	
A 154	34		J23-X	14				.25	YES		41	
			P57-24	52				.25	YES		25	
A 155	34		J24-A	24				.25	YES		41	
			P51-3	58				.25	YES		25	
A 156	34		J24-B	24				.25	YES		41	
			P51-6	58				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR K G H | SHEET 21 OF ~~24~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 157	34		J24-C	24				.25	YES		41	
			P52-3	57				.25	YES		25	
A 158	34		J24-D	24				.25	YES		41	
			P52-6	57				.25	YES		25	
A 159	34		J24-E	24				.25	YES		41	
			P53-3	56				.25	YES		25	
A 160	34		J24-F	24				.25	YES		41	
			P53-6	56				.25	YES		25	
A 161	34		J24-H	24				.25	YES		41	
			P54-3	55				.25	YES		25	
A 162	34		J24-K	24				.25	YES		41	
			P54-6	55				.25	YES		25	
A 163	34		J24-L	24				.25	YES		41	
			P55-3	54				.25	YES		25	
A 164	34		J24-M	24				.25	YES		41	
			P55-6	54				.25	YES		25	
A 165	34		J24-N	24				.25	YES		41	
			P56-3	53				.25	YES		25	
A 166	34		J24-P	24				.25	YES		41	
			P56-6	53				.25	YES		25	
A 167	34		J24-R	24				.25	YES		41	
			P57-3	52				.25	YES		25	
A 168	34		J24-S	24				.25	YES		41	
			P57-6	52				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064

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SCALE-NONE | REV LTR K G H | SHEET 22 OF ~~24~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 169	34		J24-T	24				.25	YES		41	
			P58-3	51				.25	YES		25	
A 170	34		J24-U	24				.25	YES		41	
			P58-6	51				.25	YES		25	
A 171	34		J24-V	24				.25	YES		41	
			P59-3	50				.25	YES		25	
A 172	34		J24-W	24				.25	YES		41	
			P59-6	50				.25	YES		25	
A 173	34		J24-X	24				.25	YES		25	
			P60-3	49				.25	YES		25	
A 174	34		J24-Z	24				.25	YES		41	
			P60-6	49				.25	YES		25	
A 175	34		J25-A	23				.25	YES		41	
			P51-9	58				.25	YES		25	
A 176	34		J25-B	23				.25	YES		41	
			P51-12	58				.25	YES		25	
A 177	34		J25-C	23				.25	YES		41	
			P52-9	57				.25	YES		25	
A 178	34		J25-D	23				.25	YES		41	
			P52-12	57				.25	YES		25	
A 179	34		J25-E	23				.25	YES		41	
			P53-9	56				.25	YES		25	
A 180	34		J25-F	23				.25	YES		41	
			P53-12	56				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 23 OF ~~24~~ 25

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MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 181	34		J25-H	23				.25	YES		41	
			P54-9	55				.25	YES		25	
A 182	34		J25-J	23				.25	YES		41	
			P54-12	55				.25	YES		25	
A 183	34		J25-K	23				.25	YES		41	
			P55-9	54				.25	YES		25	
A 184	34		J25-L	23				.25	YES		41	
			P55-12	54				.25	YES		25	
A 185	34		J25-M	23				.25	YES		41	
			P56-9	53				.25	YES		25	
A 186	34		J25-N	23				.25	YES		41	
			P56-12	53				.25	YES		25	
A 187	34		J25-P	23				.25	YES		41	
			P57-9	52				.25	YES		25	
A 188	34		J25-R	23				.25	YES		41	
			P57-12	52				.25	YES		25	
A 189	34		J25-S	23				.25	YES		41	
			P58-9	51				.25	YES		25	
A 190	34		J25-T	23				.25	YES		41	
			P58-12	51				.25	YES		25	
A 191	34		J25-U	23				.25	YES		41	
			P59-9	50				.25	YES		25	
A 192	34		J25-V	23				.25	YES		41	
			P59-12	50				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 24 OF ~~24~~ 25

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MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 193	34		J25-W	23				.25	YES		41	
			P60-9	49				.25	YES		25	
A 194	34		J25-X	23				.25	YES		41	
			P60-12	49				.25	YES		25	
A 195	34		J25-Y	23				.25	YES		41	
			P51-15	58				.25	YES		25	
A 196	34		J25-Z	23				.25	YES		41	
			P51-18	58				.25	YES		25	
A 197	34		J26-C	33				.25	YES		41	
			P52-15	57				.25	YES		25	
A 198	34		J26-D	33				.25	YES		41	
			P52-18	57				.25	YES		25	
A 199	34		J26-E	33				.25	YES		41	
			P53-15	56				.25	YES		25	
A 200	34		J26-F	33				.25	YES		41	
			P53-18	56				.25	YES		25	
A 201	34		J26-H	33				.25	YES		41	
			P54-15	55				.25	YES		25	
A 202	34		J26-J	33				.25	YES		41	
			P54-18	55				.25	YES		25	
A 203	34		J26-L	33				.25	YES		41	
			P55-15	54				.25	YES		25	
A 204	34		J26-M	33				.25	YES		41	
			P55-18	54				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 25 OF ~~24~~ 25

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MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 205	34		J26-N	33				.25	YES		41	
			P56-15	53				.25	YES		25	
A 206	34		J26-P	33				.25	YES		41	
			P56-18	53				.25	YES		25	
A 207	34		J26-R	33				.25	YES		41	
			P57-15	52				.25	YES		25	
A 208	34		J26-S	33				.25	YES		41	
			P57-18	52				.25	YES		25	
A 209	34		J26-T	33				.25	YES		41	
			P58-15	51				.25	YES		25	
A 210	34		J26-U	33				.25	YES		41	
			P58-18	51				.25	YES		25	
A 211	34		J26-V	33				.25	YES		41	
			P59-15	50				.25	YES		25	
A 212	34		J26-W	33				.25	YES		41	
			P59-18	50				.25	YES		25	
A 213	34		J26-X	33				.25	YES		41	
			P60-15	49				.25	YES		25	
A 214	34		J26-Y	33				.25	YES		41	
			P60-18	49				.25	YES		25	
A 215	34		J27-A	34				.25	YES		41	
			P51-21	58				.25	YES		25	
A 216	34		J27-B	34				.25	YES		41	
			P51-24	58				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 26 OF ~~24~~ 25

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MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 217	34		J27-C	34				.25	YES		41	
			P52-21	57				.25	YES		25	
A 218	34		J27-D	34				.25	YES		41	
			P52-24	57				.25	YES		25	
A 219	34		J27-E	34				.25	YES		41	
			P53-21	56				.25	YES		25	
A 220	34		J27-F	34				.25	YES		41	
			P53-24	56				.25	YES		25	
A 221	34		J27-H	34				.25	YES		41	
			P54-21	55				.25	YES		25	
A 222	34		J27-J	34				.25	YES		41	
			P54-24	55				.25	YES		25	
A 223	34		J27-K	34				.25	YES		41	
			P55-21	54				.25	YES		25	
A 224	34		J27-L	34				.25	YES		41	
			P55-24	54				.25	YES		25	
A 225	34		J27-M	34				.25	YES		41	
			P56-21	53				.25	YES		25	
A 226	34		J27-N	34				.25	YES		41	
			P56-24	53				.25	YES		25	
A 227	34		J27-T	34				.25	YES		41	
			P58-21	51				.25	YES		25	
A 228	34		J27-U	34				.25	YES		41	
			P58-24	51				.25	YES		25	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR E G H	SHEET 27 OF ~~87~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 229	34		J27-V	34				.25	YES		41	
			P59-21	50				.25	YES		25	
A 230	34		J27-W	34				.25	YES		41	
			P59-24	50				.25	YES		25	
A 231	34		J27-X	34				.25	YES		41	
			P60-21	49				.25	YES		25	
A 232	34		J27-Y	34				.25	YES		41	
			P60-24	49				.25	YES		25	
A 233	34		J28-A	15				.25	YES		41	
			P63-22	46				.25	YES		25	
A 234	34		J28-B	15				.25	YES		41	
			P63-19	46				.25	YES		25	
A 235	34		J28-C	15				.25	YES		41	
			P64-22	45				.25	YES		25	
A 236	34		J28-D	15				.25	YES		41	
			P64-19	45				.25	YES		25	
A 237	34		J28-E	15				.25	YES		41	
			P65-22	44				.25	YES		25	
A 238	34		J28-F	15				.25	YES		41	
			P65-19	44				.25	YES		25	
A 239	34		J28-H	15				.25	YES		41	
			P66-22	43				.25	YES		25	
A 240	34		J28-J	15				.25	YES		41	
			P66-19	43				.25	YES		25	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR E G H	SHEET 28 OF ~~87~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 241	34		J28-K	15				.25	YES		41	
			P67-22	42				.25	YES		25	
A 242	34		J28-M	15				.25	YES		41	
			P67-19	42				.25	YES		25	
A 243	34		J28-N	15				.25	YES		41	
			P68-22	41				.25	YES		25	
A 244	34		J28-P	15				.25	YES		41	
			P68-19	41				.25	YES		25	
A 245	34		J28-R	15				.25	YES		41	
			P69-22	40				.25	YES		25	
A 246	34		J28-S	15				.25	YES		41	
			P69-19	40				.25	YES		25	
A 247	34		J28-T	15				.25	YES		41	
			P70-22	39				.25	YES		25	
A 248	34		J28-U	15				.25	YES		41	
			P70-19	39				.25	YES		25	
A 249	34		J28-V	15				.25	YES		41	
			P63-16	46				.25	YES		25	
A 250	34		J28-W	15				.25	YES		41	
			P63-13	46				.25	YES		25	
A 251	34		J28-X	15				.25	YES		41	
			P64-16	45				.25	YES		25	
A 252	34		J28-Y	15				.25	YES		41	
			P64-13	45				.25	YES		25	

SIZE	CODE IDENT NO.	2901064
A	99974	91
SCALE-NONE	REV LTR E G H	SHEET 29 OF ~~87~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	34		J29-A	16				.25	YES		41	
			P65-16	44				.25	YES		25	
A 254	34		J29-B	16				.25	YES		41	
			P65-13	44				.25	YES		25	
A 255	34		J29-C	16				.25	YES		41	
			P66-16	43				.25	YES		25	
A 256	34		J29-D	16				.25	YES		41	
			P66-13	43				.25	YES		25	
A 257	34		J29-E	16				.25	YES		41	
			P67-16	42				.25	YES		25	
A 258	34		J29-F	16				.25	YES		41	
			P67-13	42				.25	YES		25	
A 259	34		J29-H	16				.25	YES		41	
			P68-16	41				.25	YES		25	
A 260	34		J29-J	16				.25	YES		41	
			P68-13	41				.25	YES		25	
A 261	34		J29-K	16				.25	YES		41	
			P69-16	40				.25	YES		25	
A 262	34		J29-L	16				.25	YES		41	
			P69-13	40				.25	YES		25	
A 263	34		J29-M	16				.25	YES		41	
			P70-16	39				.25	YES		25	
A 264	34		J29-N	16				.25	YES		41	
			P70-13	39				.25	YES		25	

SIZE	CODE IDENT NO.	2901064
A	99974	91
SCALE-NONE	REV LTR E G H	SHEET 30 OF ~~87~~

MIL 2084 9-65

WIRING HARNESS A — 2901064 — H-E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	34		J29-P	16				.25	YES		41	
			P61-10	48				.25	YES		25	
A 266	34		J29-R	16				.25	YES		41	
			P61-7	48				.25	YES		25	
A 267	34		J29-S	16				.25	YES		41	
			P62-10	47				.25	YES		25	
A 268	34		J29-T	16				.25	YES		41	
			P62-7	47				.25	YES		25	
A 269	34		J29-U	16				.25	YES		41	
			P66-10	43				.25	YES		25	
A 270	34		J29-V	16				.25	YES		41	
			P66-7	43				.25	YES		25	
A 271	34		J29-W	16				.25	YES		41	
			P67-10	42				.25	YES		25	
A 272	34		J29-X	16				.25	YES		41	
			P67-7	42				.25	YES		25	
A 273	34		J30-A	22				.25	YES		25	
			P63-12	46				.25	YES		25	
A 274	34		J30-C	22				.25	YES		25	
			P63-11	46				.25	YES		25	
A 275	34		J30-E	22				.25	YES		25	
			P63-10	46				.25	YES		25	
A 276	34		J30-H	22				.25	YES		41	
			P63-7	46				.25	YES		25	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR K GH	SHEET 31 OF ~~89~~ 88

MIL 2084 9-65

WIRING HARNESS A — 2901064 — H-E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	34		J30-J	22				.25	YES		25	
			P64-12	45				.25	YES		25	
A 278	34		J30-L	22				.25	YES		25	
			P64-11	45				.25	YES		25	
A 279	34		J30-N	22				.25	YES		25	
			P64-10	45				.25	YES		25	
A 280	34		J30-S	22				.25	YES		41	
			P64-7	45				.25	YES		25	
A 281	34		J30-U	22				.25	YES		25	
			P61-6	48				.25	YES		25	
A 282	34		J30-W	22				.25	YES		25	
			P61-5	48				.25	YES		25	
A 283	34		J30-V	22				.25	YES		41	
			P61-4	48				.25	YES		25	
A 284	34		J30-X	22				.25	YES		41	
			P61-1	48				.25	YES		25	
A 285	34		J31-A	21				.25	YES		25	
			P62-6	47				.25	YES		25	
A 286	34		J31-C	21				.25	YES		25	
			P62-5	47				.25	YES		25	
A 287	34		J31-B	21				.25	YES		41	
			P62-4	47				.25	YES		25	
A 288	34		J31-D	21				.25	YES		41	
			P62-1	47				.25	YES		25	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR K GH	SHEET 32 OF ~~89~~ 88

MIL 2084 9-65

WIRING HARNESS A — 2901064 — H-E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 289	34		J31-H	21				.25	YES		25	
			P63-6	46				.25	YES		25	
A 290	34		J31-K	21				.25	YES		25	
			P63-5	46				.25	YES		25	
A 291	34		J31-J	21				.25	YES		41	
			P63-4	46				.25	YES		25	
A 292	34		J31-L	21				.25	YES		41	
			P63-1	46				.25	YES		25	
A 293	34		J31-P	21				.25	YES		25	
			P64-6	45				.25	YES		25	
A 294	34		J31-S	21				.25	YES		41	
			P64-5	45				.25	YES		25	
A 295	34		J31-R	21				.25	YES		41	
			P64-4	45				.25	YES		25	
A 296	34		J31-T	21				.25	YES		41	
			P64-1	45				.25	YES		25	
A 297	34		J31-V	21				.25	YES		25	
			P65-6	44				.25	YES		25	
A 298	34		J31-X	21				.25	YES		41	
			P65-5	44				.25	YES		25	
A 299	34		J31-W	21				.25	YES		41	
			P65-4	44				.25	YES		25	
A 300	34		J31-Y	21				.25	YES		41	
			P65-1	44				.25	YES		25	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR K GH	SHEET 33 OF ~~89~~ 88

MIL 2084 9-65

WIRING HARNESS A — 2901064 — H-E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 301	34		J32-A	35				.25	YES		25	
			P65-12	44				.25	YES		25	
A 302	34		J32-C	35				.25	YES		25	
			P65-11	44				.25	YES		25	
A 303	34		J32-E	35				.25	YES		25	
			P65-10	44				.25	YES		25	
A 304	34		J32-H	35				.25	YES		41	
			P65-7	44				.25	YES		25	
A 305	34		J32-J	35				.25	YES		41	
			P68-10	41				.25	YES		25	
A 306	34		J32-K	35				.25	YES		41	
			P68-7	41				.25	YES		25	
A 307	34		J32-L	35				.25	YES		25	
			P69-10	40				.25	YES		25	
A 308	34		J32-N	35				.25	YES		41	
			P69-7	40				.25	YES		25	
A 309	34		J32-P	35				.25	YES		25	
			P70-10	39				.25	YES		25	
A 310	34		J32-T	35				.25	YES		41	
			P70-7	39				.25	YES		25	
A 311	34		J32-U	35				.25	YES		25	
			P62-30	47				.25	YES		25	
A 312	34		J32-W	35				.25	YES		25	
			P62-29	47				.25	YES		25	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR K GH	SHEET 34 OF ~~89~~ 88

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 313	34		J32-Y	35				.25	YES		41	
			P62-28	47				.25	YES		25	
A 314	34		J32-Z	35				.25	YES		41	
			P62-25	47				.25	YES		25	
A 315	34		J33-A	36				.25	YES		25	
			P63-30	46				.25	YES		25	
A 316	34		J33-C	36				.25	YES		25	
			P63-29	46				.25	YES		25	
A 317	34		J33-E	36				.25	YES		25	
			P63-28	46				.25	YES		25	
A 318	34		J33-H	36				.25	YES		41	
			P63-25	46				.25	YES		25	
A 319	34		J33-J	36				.25	YES		25	
			P64-30	45				.25	YES		25	
A 320	34		J33-L	36				.25	YES		25	
			P64-29	45				.25	YES		25	
A 321	34		J33-N	36				.25	YES		25	
			P64-28	45				.25	YES		25	
A 322	34		J33-R	36				.25	YES		41	
			P64-25	45				.25	YES		25	
A 323	34		J33-S	36				.25	YES		25	
			P65-30	44				.25	YES		25	
A 324	34		J33-U	36				.25	YES		25	
			P65-29	44				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR	SHEET 35 OF ~~84~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 325	34		J33-W	36				.25	YES		25	
			P65-28	44				.25	YES		25	
A 326	34		J33-Y	36				.25	YES		41	
			P65-25	44				.25	YES		25	
A 327	34		J34-A	17				.25	YES		25	
			P66-30	43				.25	YES		25	
A 328	34		J34-C	17				.25	YES		25	
			P66-29	43				.25	YES		25	
A 329	34		J34-E	17				.25	YES		41	
			P66-28	43				.25	YES		25	
A 330	34		J34-F	17				.25	YES		41	
			P66-25	43				.25	YES		25	
A 331	34		J34-H	17				.25	YES		25	
			P67-30	42				.25	YES		25	
A 332	34		J34-K	17				.25	YES		41	
			P67-29	42				.25	YES		25	
A 333	34		J34-L	17				.25	YES		41	
			P67-28	42				.25	YES		25	
A 334	34		J34-M	17				.25	YES		41	
			P67-25	42				.25	YES		25	
A 335	34		J34-N	17				.25	YES		25	
			P68-30	41				.25	YES		25	
A 336	34		J34-R	17				.25	YES		41	
			P68-29	41				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR	SHEET 36 OF ~~84~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 337	34		J34-T	17				.25	YES		41	
			P68-28	41				.25	YES		25	
A 338	34		J34-U	17				.25	YES		41	
			P68-25	41				.25	YES		25	
A 339	34		J34-V	17				.25	YES		25	
			P69-30	40				.25	YES		25	
A 340	34		J34-X	17				.25	YES		41	
			P69-29	40				.25	YES		25	
A 341	34		J34-Y	17				.25	YES		41	
			P69-28	40				.25	YES		25	
A 342	34		J34-Z	17				.25	YES		41	
			P69-25	40				.25	YES		25	
A 343	34		J35-A	18				.25	YES		25	
			P70-30	39				.25	YES		25	
A 344	34		J35-C	18				.25	YES		25	
			P70-29	39				.25	YES		25	
A 345	34		J35-E	18				.25	YES		41	
			P70-28	39				.25	YES		25	
A 346	34		J35-F	18				.25	YES		41	
			P70-25	39				.25	YES		25	
A 347	34		J35-H	18				.25	YES		25	
			P61-24	48				.25	YES		25	
A 348	34		J35-K	18				.25	YES		25	
			P61-23	48				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR	SHEET 37 OF ~~84~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 349	34		J35-M	18				.25	YES		41	
			P61-22	48				.25	YES		25	
A 350	34		J35-N	18				.25	YES		41	
			P61-19	48				.25	YES		25	
A 351	34		J35-P	18				.25	YES		25	
			P62-24	47				.25	YES		25	
A 352	34		J35-S	18				.25	YES		25	
			P62-23	47				.25	YES		25	
A 353	34		J35-U	18				.25	YES		41	
			P62-22	47				.25	YES		25	
A 354	34		J35-V	18				.25	YES		41	
			P62-19	47				.25	YES		25	
A 355	34		J35-W	18				.25	YES		25	
			P65-18	44				.25	YES		25	
A 356	34		J35-Y	18				.25	YES		25	
			P65-17	44				.25	YES		25	
A 357	34		J36-A	20				.25	YES		25	
			P66-18	43				.25	YES		25	
A 358	34		J36-C	20				.25	YES		25	
			P66-17	43				.25	YES		25	
A 359	34		J36-E	20				.25	YES		25	
			P67-18	42				.25	YES		25	
A 360	34		J36-H	20				.25	YES		25	
			P67-17	42				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR	SHEET 38 OF ~~84~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 361	34		J36-K	20				.25	YES		25	
			P68-18	41				.25	YES		25	
A 362	34		J36-M	20				.25	YES		25	
			P68-17	41				.25	YES		25	
A 363	34		J36-P	20				.25	YES		25	
			P69-18	40				.25	YES		25	
A 364	34		J36-S	20				.25	YES		25	
			P69-17	40				.25	YES		25	
A 365	34		J36-V	20				.25	YES		25	
			P70-18	39				.25	YES		25	
A 366	34		J36-X	20				.25	YES		25	
			P70-17	39				.25	YES		25	
A 367	34		J37-A	19				.25	YES		25	
			P61-12	48				.25	YES		25	
A 368	34		J37-C	19				.25	YES		25	
			P61-11	48				.25	YES		25	
A 369	34		J37-E	19				.25	YES		25	
			P62-12	47				.25	YES		25	
A 370	34		J37-H	19				.25	YES		25	
			P62-11	47				.25	YES		25	
A 371	34		J37-K	19				.25	YES		25	
			P66-12	43				.25	YES		25	
A 372	34		J37-M	19				.25	YES		25	
			P66-11	43				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 39 OF ~~87~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 373	34		J37-P	19				.25	YES		25	
			P67-12	42				.25	YES		25	
A 374	34		J37-S	19				.25	YES		25	
			P67-11	42				.25	YES		25	
A 375	34		J37-U	19				.25	YES		25	
			P68-12	41				.25	YES		25	
A 376	34		J37-W	19				.25	YES		41	
			P68-11	41				.25	YES		25	
A 377	34		J37-X	19				.25	YES		25	
			P69-12	40				.25	YES		25	
A 378	34		J37-Z	19				.25	YES		41	
			P69-11	40				.25	YES		25	
A 379	34		J38-A	37				.25	YES		25	
			P70-12	39				.25	YES		25	
A 380	34		J38-C	37				.25	YES		41	
			P70-11	39				.25	YES		25	
A 381	34		J38-K	37				.25	YES		41	
			P66-4	43				.25	YES		25	
A 382	34		J38-L	37				.25	YES		41	
			P66-1	43				.25	YES		25	
A 383	34		J38-M	37				.25	YES		25	
			P67-4	42				.25	YES		25	
A 384	34		J38-P	37				.25	YES		41	
			P67-1	42				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 40 OF ~~87~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 385	34		J38-R	37				.25	YES		25	
			P68-4	41				.25	YES		25	
A 386	34		J38-T	37				.25	YES		41	
			P58-1	41				.25	YES		25	
A 387	34		J38-V	37				.25	YES		25	
			P69-4	40				.25	YES		25	
A 388	34		J38-X	37				.25	YES		41	
			P69-1	40				.25	YES		25	
A 389	34		J38-Y	37				.25	YES		41	
			P70-4	39				.25	YES		25	
A 390	34		J38-Z	37				.25	YES		41	
			P70-1	39				.25	YES		25	
A 391	34		J39-A	38				.25	YES		25	
			P66-6	43				.25	YES		25	
A 392	34		J39-C	38				.25	YES		41	
			P66-5	43				.25	YES		25	
A 393	34		J39-D	38				.25	YES		25	
			P67-6	42				.25	YES		25	
A 394	34		J39-F	38				.25	YES		25	
			P67-5	42				.25	YES		25	
A 395	34		J39-J	38				.25	YES		25	
			P68-6	41				.25	YES		25	
A 396	34		J39-L	38				.25	YES		25	
			P68-5	41				.25	YES		25	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 41 OF ~~87~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 397	34		J39-N	38				.25	YES		25	
			P69-6	40				.25	YES		25	
A 398	34		J39-R	38				.25	YES		25	
			P69-5	40				.25	YES		25	
A 399	34		J39-T	38				.25	YES		25	
			P70-6	39				.25	YES		25	
A 400	34		J39-V	38				.25	YES		25	
			P70-5	39				.25	YES		25	
A 401	34		J12-E	28				.25	YES		25	
			J9-C	5				.22	NO		43	
A 402	34		J12-D	28				.25	YES		25	
			J9-D	5				.22	NO		43	
A 403	34		J12-F	28				.25	YES		25	
			J2-C	1				.22	NO		43	
A 404	34		J12-M	28				.25	YES		25	
			J2-D	1				.22	NO		43	
A 405	34		J12-H	28				.25	YES			
			J2-A	1				.22	NO		43	
A 406	34		J12-L	28				.25	YES			
			J2-B	1				.22	NO		43	
A 407	34		J12-S	28				.25	YES		25	
			J9-G	5				.22	NO		43	
A 408	34		J12-R	28				.25	YES		25	
			J9-H	5				.22	NO		43	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR X G H	SHEET 42 OF ~~87~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 409	34		J12-U	28				.25	YES			
			J2-E	1				.22	NO		43	
A 410	34		J12-X	28				.25	YES			
			J2-F	1				.22	NO		43	
A 411	34		J12-T	28				.25	YES		25	
			J2-G	1				.22	NO		43	
A 412	34		J12-Y	28				.25	YES		25	
			J2-H	1				.22	NO		43	
A 413	34		J13-E	27				.25	YES		25	
			J9-Z	5				.22	NO		43	
A 414	34		J13-D	27				.25	YES		25	
			J9-A*	5				.22	NO		43	
A 415	34		J13-H	27				.25	YES			
			J2-J	1				.22	NO		43	
A 416	34		J13-L	27				.25	YES			
			J2-K	1				.22	NO		43	
A 417	34		J13-F	27				.25	YES		25	
			J2-L	1				.22	NO		43	
A 418	34		J13-M	27				.25	YES		25	
			J2-M	1				.22	NO		43	
A 419	34		J13-S	27				.25	YES		25	
			J9-D*	5				.22	NO		43	
A 420	34		J13-R	27				.25	YES		25	
			J9-E*	5				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR E G H	SHEET 43 OF ~~94~~ 88

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 421	34		J13-U	27				.25	YES			
			J2-J*	1				.22	NO		43	
A 422	34		J13-X	27				.25	YES			
			J2-K*	1				.22	NO		43	
A 423	34		J13-T	27				.25	YES		25	
			J2-Z*	1				.22	NO		43	
A 424	34		J13-Y	27				.25	YES		25	
			J2-AA	1				.22	NO		43	
A 425	34		J14-E	29				.25	YES		25	
			J9-V	5				.22	NO		43	
A 426	34		J14-D	29				.25	YES		25	
			J9-W	5				.22	NO		43	
A 427	34		J14-H	29				.25	YES			
			J2-GG	1				.22	NO		43	
A 428	34		J14-L	29				.25	YES			
			J2-HH	1				.22	NO		43	
A 429	34		J14-F	29				.25	YES		25	
			J2-JJ	1				.22	NO		43	
A 430	34		J14-M	29				.25	YES		25	
			J2-KK	1				.22	NO		43	
A 431	34		J14-S	29				.25	YES		25	
			J9-R	5				.22	NO		43	
A 432	34		J14-R	29				.25	YES		25	
			J9-S	5				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR E G H	SHEET 44 OF ~~94~~ 88

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 433	34		J14-U	29				.25	YES			
			J2-V*	1				.22	NO		43	
A 434	34		J14-X	29				.25	YES			
			J2-W*	1				.22	NO		43	
A 435	34		J14-T	29				.25	YES		25	
			J2-X*	1				.22	NO		43	
A 436	34		J14-Y	29				.25	YES		25	
			J2-Y*	1				.22	NO		43	
A 437	34		J15-E	30				.25	YES		25	
			J9-L	5				.22	NO		43	
A 438	34		J15-D	30				.25	YES		25	
			J9-M	5				.22	NO		43	
A 439	34		J15-H	30				.25	YES			
			J2-B*	1				.22	NO		43	
A 440	34		J15-L	30				.25	YES			
			J2-C*	1				.22	NO		43	
A 441	34		J15-F	30				.25	YES		25	
			J2-D*	1				.22	NO		43	
A 442	34		J15-M	30				.25	YES		25	
			J2-E*	1				.22	NO		43	
A 443	34		J15-S	30				.25	YES		25	
			J9-H*	5				.22	NO		43	
A 444	34		J15-R	30				.25	YES		25	
			J9-I*	5				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR E G H	SHEET 45 OF ~~94~~ 88

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 445	34		J15-U	30				.25	YES			
			J8-A	6				.22	NO		43	
A 446	34		J15-X	30				.25	YES			
			J8-B	6				.22	NO		43	
A 447	34		J15-T	30				.25	YES		25	
			J8-C	6				.22	NO		43	
A 448	34		J15-Y	30				.25	YES		25	
			J8-D	6				.22	NO		43	
A 449	34		J20-E	31				.25	YES		25	
			J9-M*	5				.22	NO		43	
A 450	34		J20-D	31				.25	YES		25	
			J9-N*	5				.22	NO		43	
A 451	34		J20-H	31				.25	YES			
			J8-E	6				.22	NO		43	
A 452	34		J20-L	31				.25	YES			
			J8-F	6				.22	NO		43	
A 453	34		J20-F	31				.25	YES		25	
			J8-G	6				.22	NO		43	
A 454	34		J20-M	31				.25	YES		25	
			J8-H	6				.22	NO		43	
A 455	34		J20-N	31				.25	YES			
			J9-J*	5				.22	NO		43	
A 456	34		J20-P	31				.25	YES			
			J9-K*	5				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR E G H	SHEET 46 OF ~~94~~ 88

MIL 2084 9-65

MIL 2044 9-65

WIRING HARNESS A — 2901064 — H/E

LEAD IDENT	WIRE ITEM	MATL	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD LEAD CUT LG	STRIP LG	INS TIN	NOTE FIG ONE	REMARKS ACCESSORY ITEMS
A 481	34			J10-W / J6-V*	9 / 8			.25	YES / NO .22		25 / 43
A 482	34			J10-Y / J6-W	9 / 8			.25	YES / NO .22		25 / 43
A 483	34			J11-B / J6-Z	10 / 8			.25	YES / NO .22		25 / 43
A 484	34			J11-D / J6-A*	10 / 8			.25	YES / NO .22		25 / 43
A 485	34			J11-F / J6-U*	10 / 8			.25	YES / NO .22		25 / 43
A 486	34			J11-J / J6-E*	10 / 8			.25	YES / NO .22		25 / 43
A 487	34			J11-L / J6-H*	10 / 8			.25	YES / NO .22		25 / 43
A 488	34			J11-N / J6-I*	10 / 8			.25	YES / NO .22		25 / 43
A 489	34			J11-R / J6-M*	10 / 8			.25	YES / NO .22		25 / 43
A 490	34			J11-T / J6-N*	10 / 8			.25	YES / NO .22		25 / 43
A 491	34			J11-V / J4-C	10 / 3			.25	YES / NO .22		25 / 43
A 492	34			J11-X / J4-D	10 / 3			.25	YES / NO .22		25 / 43

SIZE	CODE IDENT NO.	SCALE-NONE	REV LTR	SHEET
A	99174		H/E	49 OF 90

2901064

MIL 2044 9-65

WIRING HARNESS A — 2901064 — H/E

LEAD IDENT	WIRE ITEM	MATL	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD LEAD CUT LG	STRIP LG	INS TIN	NOTE FIG ONE	REMARKS ACCESSORY ITEMS
A 493	34			J16-B / J6-R*	11 / 8			.25	YES / NO .22		25 / 43
A 494	34			J16-D / J6-S*	11 / 8			.25	YES / NO .22		25 / 43
A 495	34			J16-H / J6-V*	11 / 8			.25	YES / NO .22		25 / 43
A 496	34			J16-K / J6-W*	11 / 8			.25	YES / NO .22		25 / 43
A 497	34			J16-M / J6-Z*	11 / 8			.25	YES / NO .22		25 / 43
A 498	34			J16-P / J6-AA	11 / 8			.25	YES / NO .22		25 / 43
A 499	34			J16-S / J6-DD	11 / 8			.25	YES / NO .22		25 / 43
A 500	34			J16-U / J6-EE	11 / 8			.25	YES / NO .22		25 / 43
A 501	34			J16-W / J6-HH	11 / 8			.25	YES / NO .22		25 / 43
A 502	34			J16-Y / J6-JJ	11 / 8			.25	YES / NO .22		25 / 43
A 503	34			J17-B / J2-H*	12 / 1			.25	YES / NO .22		25 / 43
A 504	34			J17-D / J2-I*	12 / 1			.25	YES / NO .22		25 / 43

SIZE	CODE IDENT NO.	SCALE-NONE	REV LTR	SHEET
A	99174		H/E	50 OF 90

2901064

MIL 2044 9-65

WIRING HARNESS A — 2901064 — H/E

LEAD IDENT	WIRE ITEM	MATL	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD LEAD CUT LG	STRIP LG	INS TIN	NOTE FIG ONE	REMARKS ACCESSORY ITEMS
A 457	34			J20-Y / J9-P*	31 / 5			.25	YES / NO .22		25 / 43
A 458	34			J20-W / J3-Q*	31 / 5			.25	YES / NO .22		25 / 43
A 459	34			J20-S / J9-K*	31 / 5			.25	YES / NO .22		25 / 43
A 460	34			J20-U / J9-S*	31 / 5			.25	YES / NO .22		25 / 43
A 461	34			J21-D / J9-V*	32 / 5			.25	YES / NO .22		25 / 43
A 462	34			J21-C / J9-W*	32 / 5			.25	YES / NO .22		25 / 43
A 463	34			J21-F / J8-J	32 / 6			.25	YES / NO .22		25 / 43
A 464	34			J21-K / J8-K	32 / 6			.25	YES / NO .22		25 / 43
A 465	34			J21-E / J8-L	32 / 6			.25	YES / NO .22		25 / 43
A 466	34			J21-L / J8-M	32 / 6			.25	YES / NO .22		25 / 43
A 467	34			J21-R / J9-Z*	32 / 5			.25	YES / NO .22		25 / 43
A 468	34			J21-P / J9-AA	32 / 5			.25	YES / NO .22		25 / 43

SIZE	CODE IDENT NO.	SCALE-NONE	REV LTR	SHEET
A	99174		H/E	47 OF 90

2901064

MIL 2044 9-65

WIRING HARNESS A — 2901064 — H/E

LEAD IDENT	WIRE ITEM	MATL	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD LEAD CUT LG	STRIP LG	INS TIN	NOTE FIG ONE	REMARKS ACCESSORY ITEMS
A 469	34			J21-T / J8-N	32 / 6			.25	YES / NO .22		25 / 43
A 470	34			J21-W / J8-P	32 / 6			.25	YES / NO .22		25 / 43
A 471	34			J21-S / J8-R	32 / 6			.25	YES / NO .22		25 / 43
A 472	34			J21-X / J8-S	32 / 6			.25	YES / NO .22		25 / 43
A 473	34			J10-B / J6-C	9 / 8			.25	YES / NO .22		25 / 43
A 474	34			J10-E / J6-D	9 / 8			.25	YES / NO .22		25 / 43
A 475	34			J10-H / J6-G	9 / 8			.25	YES / NO .22		25 / 43
A 476	34			J10-K / J6-H	9 / 8			.25	YES / NO .22		25 / 43
A 477	34			J10-M / J6-L	9 / 8			.25	YES / NO .22		25 / 43
A 478	34			J10-P / J6-M	9 / 8			.25	YES / NO .22		25 / 43
A 479	34			J10-S / J6-R	9 / 8			.25	YES / NO .22		25 / 43
A 480	34			J10-U / J6-S	9 / 8			.25	YES / NO .22		25 / 43

SIZE	CODE IDENT NO.	SCALE-NONE	REV LTR	SHEET
A	99174		H/E	48 OF 90

2901064

MIL 2004 9/65

SIZE	CODE IDENT NO.	DRAWING NO.
A	99974	2901064

SCALE-NONE | REV LTR | SHEET 53 OF 444

WIRING HARNESS A

IDENT	WIRE MATL	LEAD LG	CIRCUIT PT FROM (A)	CIRCUIT PT TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD LEAD CUT LG	STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	529	34	J13-R	J7-L	25	7		.25	YES		25	
								.22	NO			43
A	530	34	J19-T	J7-M	25	7		.25	YES		25	
								.22	NO			43
A	531	34	J19-V	J7-R	25	7		.25	YES		25	
								.22	NO			43
A	532	34	J19-X	J7-S	25	7		.25	YES		25	
								.22	NO			43
A	533	34	J22-B	J7-V	13	7		.25	YES		25	
								.22	NO			43
A	534	34	J22-D	J7-W	13	7		.25	YES		25	
								.22	NO			43
A	535	34	J22-F	J7-Z	13	7		.25	YES		25	
								.22	NO			43
A	536	34	J22-K	J7-A*	13	7		.25	YES		25	
								.22	NO			43
A	537	34	J22-M	J7-D*	13	7		.25	YES		25	
								.22	NO			43
A	538	34	J22-P	J7-E*	13	7		.25	YES		25	
								.22	NO			43
A	539	34	J22-S	J7-H*	13	7		.25	YES		25	
								.22	NO			43
A	540	34	J22-U	J7-I*	13	7		.25	YES		25	
								.22	NO			43

MIL 2004 9/65

SIZE	CODE IDENT NO.	DRAWING NO.
A	99974	2901064

SCALE-NONE | REV LTR | SHEET 54 OF 444

WIRING HARNESS A

IDENT	WIRE MATL	LEAD LG	CIRCUIT PT FROM (A)	CIRCUIT PT TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD LEAD CUT LG	STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	541	34	J22-W	J7-M*	13	7		.25	YES		25	
								.22	NO			43
A	542	34	J22-Y	J7-N*	13	7		.25	YES		25	
								.22	NO			43
A	543	34	J23-B	J7-R*	14	7		.25	YES		25	
								.22	NO			43
A	544	34	J23-C	J7-S*	14	7		.25	YES			
								.22	NO			43
A	545	34	J23-E	J7-V*	14	7		.25	YES		25	
								.22	NO			43
A	546	34	J23-H	J7-W*	14	7		.25	YES		25	
								.22	NO			43
A	547	34	J23-K	J4-G	14	3		.25	YES		25	
								.22	NO			43
A	548	34	J23-L	J4-H	14	3		.25	YES			
								.22	NO			43
A	549	34	J23-N	J7-Z*	14	7		.25	YES		25	
								.22	NO			43
A	550	34	J23-R	J7-AA	14	7		.25	YES		25	
								.22	NO			43
A	551	34	J23-T	J7-DD	14	7		.25	YES		25	
								.22	NO			43
A	552	34	J23-U	J7-EE	14	7		.25	YES			
								.22	NO			43

MIL 2004 9/65

SIZE	CODE IDENT NO.	DRAWING NO.
A	99974	2901064

SCALE-NONE | REV LTR | SHEET 51 OF 444

WIRING HARNESS A

IDENT	WIRE MATL	LEAD LG	CIRCUIT PT FROM (A)	CIRCUIT PT TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD LEAD CUT LG	STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	503	34	J17-F	J2-NN	12	1		.25	YES		25	
								.22	NO			43
A	506	34	J17-J	J2-PP	12	1		.25	YES		25	
								.22	NO			43
A	507	34	J17-L	J3-C	12	2		.25	YES		25	
								.22	NO			43
A	508	34	J17-N	J3-D	12	2		.25	YES		25	
								.22	NO			43
A	509	34	J17-Q	J3-G	12	2		.25	YES		25	
								.22	NO			43
A	510	34	J17-T	J3-H	12	2		.25	YES		25	
								.22	NO			43
A	511	34	J17-V	J3-L	12	2		.25	YES		25	
								.22	NO			43
A	512	34	J17-X	J3-M	12	2		.25	YES		25	
								.22	NO			43
A	513	34	J18-B	J3-R	26	2		.25	YES		25	
								.22	NO			43
A	514	34	J18-C	J3-S	26	2		.25	YES			
								.22	NO			43
A	515	34	J18-H	J3-V	26	2		.25	YES		25	
								.22	NO			43
A	516	34	J18-K	J3-W	26	2		.25	YES		25	
								.22	NO			43

MIL 2004 9/65

SIZE	CODE IDENT NO.	DRAWING NO.
A	99974	2901064

SCALE-NONE | REV LTR | SHEET 52 OF 444

WIRING HARNESS A

IDENT	WIRE MATL	LEAD LG	CIRCUIT PT FROM (A)	CIRCUIT PT TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD LEAD CUT LG	STRIP LG	INS STRIP TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	517	34	J18-M	J3-Z	26	2		.25	YES		25	
								.22	NO			43
A	518	34	J18-P	J3-A*	26	2		.25	YES		25	
								.22	NO			43
A	519	34	J19-S	J3-D*	26	2		.25	YES		25	
								.22	NO			43
A	520	34	J18-U	J3-E*	26	2		.25	YES		25	
								.22	NO			43
A	521	34	J18-W	J3-H*	26	2		.25	YES		25	
								.22	NO			43
A	522	34	J18-Y	J3-I*	26	2		.25	YES		25	
								.22	NO			43
A	523	34	J19-B	J3-M*	25	2		.25	YES		25	
								.22	NO			43
A	524	34	J19-D	J3-N*	25	2		.25	YES		25	
								.22	NO			43
A	525	34	J19-F	J7-C	25	7		.25	YES		25	
								.22	NO			43
A	526	34	J19-J	J7-D	25	7		.25	YES		25	
								.22	NO			43
A	527	34	J19-L	J7-G	25	7		.25	YES		25	
								.22	NO			43
A	528	34	J19-N	J7-H	25	7		.25	YES		25	
								.22	NO			43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 553	34		J23-M	14				.25	YES		25	
			J7-T*	7				.22	NO			43
A 554	34		J23-X	14				.25	YES			
			J7-U*	7				.22	NO			43
A 555	34		J24-A	24				.25	YES			
			J6-A	8				.22	NO			43
A 556	34		J24-B	24				.25	YES			
			J6-B	8				.22	NO			43
A 557	34		J24-C	24				.25	YES			
			J6-E	8				.22	NO			43
A 558	34		J24-D	24				.25	YES			
			J6-F	8				.22	NO			43
A 559	34		J24-E	24				.25	YES			
			J6-J	8				.22	NO			43
A 560	34		J24-F	24				.25	YES			
			J6-K	8				.22	NO			43
A 561	34		J24-H	24				.25	YES			
			J6-N	8				.22	NO			43
A 562	34		J24-K	24				.25	YES			
			J6-P	8				.22	NO			43
A 563	34		J24-L	24				.25	YES			
			J6-T	8				.22	NO			43
A 564	34		J24-M	24				.25	YES			
			J6-U	8				.22	NO			43

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR X G H | SHEET 55 OF ~~57~~ 58

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 565	34		J24-N	24				.25	YES			
			J6-X	8				.22	NO			43
A 566	34		J24-P	24				.25	YES			
			J6-Y	8				.22	NO			43
A 567	34		J24-R	24				.25	YES			
			J6-B*	8				.22	NO			43
A 568	34		J24-S	24				.25	YES			
			J6-C*	8				.22	NO			43
A 569	34		J24-T	24				.25	YES			
			J6-F*	8				.22	NO			43
A 570	34		J24-U	24				.25	YES			
			J6-G*	8				.22	NO			43
A 571	34		J24-V	24				.25	YES			
			J6-J*	8				.22	NO			43
A 572	34		J24-W	24				.25	YES			
			J6-K*	8				.22	NO			43
A 573	34		J24-Y	24				.25	YES		25	
			J4-A	3				.22	NO			43
A 574	34		J24-Z	24				.25	YES			
			J4-B	3				.22	NO			43
A 575	34		J25-A	23				.25	YES			
			J6-P*	8				.22	NO			43
A 576	34		J25-B	23				.25	YES			
			J6-Q*	8				.22	NO			43

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR X G H | SHEET 56 OF ~~57~~ 58

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 577	34		J25-C	23				.25	YES			
			J6-T*	8				.22	NO			43
A 578	34		J25-D	23				.25	YES			
			J6-U*	8				.22	NO			43
A 579	34		J25-E	23				.25	YES			
			J6-X*	8				.22	NO			43
A 580	34		J25-F	23				.25	YES			
			J6-Y*	8				.22	NO			43
A 581	34		J25-H	23				.25	YES			
			J6-BB	8				.22	NO			43
A 582	34		J25-J	23				.25	YES			
			J6-CC	8				.22	NO			43
A 583	34		J25-K	23				.25	YES			
			J6-FF	8				.22	NO			43
A 584	34		J25-L	23				.25	YES			
			J6-GG	8				.22	NO			43
A 585	34		J25-M	23				.25	YES			
			J2-F*	1				.22	NO			43
A 586	34		J25-N	23				.25	YES			
			J2-G*	1				.22	NO			43
A 587	34		J25-P	23				.25	YES			
			J2-LL	1				.22	NO			43
A 588	34		J25-R	23				.25	YES			
			J2-MM	1				.22	NO			43

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR X G H | SHEET 57 OF ~~57~~ 58

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 589	34		J25-S	23				.25	YES			
			J3-A	2				.22	NO			43
A 590	34		J25-T	23				.25	YES			
			J3-B	2				.22	NO			43
A 591	34		J25-U	23				.25	YES			
			J3-E	2				.22	NO			43
A 592	34		J25-V	23				.25	YES			
			J3-F	2				.22	NO			43
A 593	34		J25-W	23				.25	YES			
			J3-J	2				.22	NO			43
A 594	34		J25-X	23				.25	YES			
			J3-K	2				.22	NO			43
A 595	34		J25-Y	23				.25	YES			
			J3-N	2				.22	NO			43
A 596	34		J25-Z	23				.25	YES			
			J3-P	2				.22	NO			43
A 597	34		J26-C	33				.25	YES			
			J3-T	2				.22	NO			43
A 598	34		J26-D	33				.25	YES			
			J3-U	2				.22	NO			43
A 599	34		J26-E	33				.25	YES			
			J3-X	2				.22	NO			43
A 600	34		J26-F	33				.25	YES			
			J3-Y	2				.22	NO			43

SIZE	CODE IDENT NO.	
A	99974	2901064

90

SCALE-NONE | REV LTR X G H | SHEET 58 OF ~~58~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 601	34		J26-H	33				.25	YES			
			J3-B*	2				.22	NO		43	
A 602	34		J26-J	33				.25	YES			
			J3-C*	2				.22	NO		43	
A 603	34		J26-L	33				.25	YES			
			J3-F*	2				.22	NO		43	
A 604	34		J26-M	33				.25	YES			
			J3-G*	2				.22	NO		43	
A 605	34		J26-N	33				.25	YES			
			J3-J*	2				.22	NO		43	
A 606	34		J26-P	33				.25	YES			
			J3-K*	2				.22	NO		43	
A 607	34		J26-R	33				.25	YES			
			J7-A	7				.22	NO		43	
A 608	34		J26-S	33				.25	YES			
			J7-B	7				.22	NO		43	
A 609	34		J26-T	33				.25	YES			
			J7-E	7				.22	NO		43	
A 610	34		J26-U	33				.25	YES			
			J7-F	7				.22	NO		43	
A 611	34		J26-V	33				.25	YES			
			J7-J	7				.22	NO		43	
A 612	34		J26-W	33				.25	YES			
			J7-K	7				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR X G H	SHEET 59 OF ~~94~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 613	34		J26-X	33				.25	YES			
			J7-N	7				.22	NO		43	
A 614	34		J26-Y	33				.25	YES			
			J7-P	7				.22	NO		43	
A 615	34		J27-A	34				.25	YES			
			J7-T	7				.22	NO		43	
A 616	34		J27-B	34				.25	YES			
			J7-U	7				.22	NO		43	
A 617	34		J27-C	34				.25	YES			
			J7-X	7				.22	NO		43	
A 618	34		J27-D	34				.25	YES			
			J7-Y	7				.22	NO		43	
A 619	34		J27-E	34				.25	YES			
			J7-B*	7				.22	NO		43	
A 620	34		J27-F	34				.25	YES			
			J7-C*	7				.22	NO		43	
A 621	34		J27-H	34				.25	YES			
			J7-F*	7				.22	NO		43	
A 622	34		J27-J	34				.25	YES			
			J7-G*	7				.22	NO		43	
A 623	34		J27-K	34				.25	YES			
			J7-J*	7				.22	NO		43	
A 624	34		J27-L	34				.25	YES			
			J7-K*	7				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR X G H	SHEET 60 OF ~~94~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 625	34		J27-M	34				.25	YES			
			J7-P*	7				.22	NO		43	
A 626	34		J27-N	34				.25	YES			
			J7-Q*	7				.22	NO		43	
A 627	34		J27-T	34				.25	YES			
			J4-E	3				.22	NO		43	
A 628	34		J27-U	34				.25	YES			
			J4-F	3				.22	NO		43	
A 629	34		J27-V	34				.25	YES			
			J7-X*	7				.22	NO		43	
A 630	34		J27-W	34				.25	YES			
			J7-Y*	7				.22	NO		43	
A 631	34		J27-X	34				.25	YES			
			J7-BB	7				.22	NO		43	
A 632	34		J27-Y	34				.25	YES			
			J7-CC	7				.22	NO		43	
A 633	34		J28-A	15				.25	YES			
			J9-X	5				.22	NO		43	
A 634	34		J28-B	15				.25	YES			
			J9-Y	5				.22	NO		43	
A 635	34		J28-C	15				.25	YES			
			J9-B*	5				.22	NO		43	
A 636	34		J28-D	15				.25	YES			
			J9-C*	5				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR X G H	SHEET 61 OF ~~94~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 637	34		J28-E	15				.25	YES			
			J9-A	5				.22	NO		43	
A 638	34		J28-F	15				.25	YES			
			J9-B	5				.22	NO		43	
A 639	34		J28-H	15				.25	YES			
			J9-E	5				.22	NO		43	
A 640	34		J28-J	15				.25	YES			
			J9-F	5				.22	NO		43	
A 641	34		J28-K	15				.25	YES			
			J9-T	5				.22	NO		43	
A 642	34		J28-M	15				.25	YES			
			J9-U	5				.22	NO		43	
A 643	34		J28-N	15				.25	YES			
			J9-N	5				.22	NO		43	
A 644	34		J28-P	15				.25	YES			
			J9-P	5				.22	NO		43	
A 645	34		J28-R	15				.25	YES			
			J9-J	5				.22	NO		43	
A 646	34		J28-S	15				.25	YES			
			J9-K	5				.22	NO		43	
A 647	34		J28-T	15				.25	YES			
			J9-F*	5				.22	NO		43	
A 648	34		J28-U	15				.25	YES			
			J9-G*	5				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR X G H	SHEET 62 OF ~~94~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 649	34		J28-V	15				.25	YES			
			J9-T*	5				.22	NO		43	
A 650	34		J28-W	15				.25	YES			
			J9-U*	5				.22	NO		43	
A 651	34		J28-X	15				.25	YES			
			J9-X*	5				.22	NO		43	
A 652	34		J28-Y	15				.25	YES			
			J9-Y*	5				.22	NO		43	
A 653	34		J29-A	16				.25	YES			
			J9-BB	5				.22	NO		43	
A 654	34		J29-B	16				.25	YES			
			J9-CC	5				.22	NO		43	
A 655	34		J29-C	16				.25	YES			
			J9-FF	5				.22	NO		43	
A 656	34		J29-D	16				.25	YES			
			J9-GG	5				.22	NO		43	
A 657	34		J29-E	16				.25	YES			
			J9-KK	5				.22	NO		43	
A 658	34		J29-F	16				.25	YES			
			J9-LL	5				.22	NO		43	
A 659	34		J29-H	16				.25	YES			
			J4-J	3				.22	NO		43	
A 660	34		J29-J	16				.25	YES			
			J4-K	3				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR K G H	SHEET 63 OF ~~88~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 661	34		J29-K	16				.25	YES			
			J4-N	3				.22	NO		43	
A 662	34		J29-L	16				.25	YES			
			J4-P	3				.22	NO		43	
A 663	34		J29-M	16				.25	YES			
			J4-T	3				.22	NO		43	
A 664	34		J29-N	16				.25	YES			
			J4-U	3				.22	NO		43	
A 665	34		J29-P	16				.25	YES			
			J4-X	3				.22	NO		43	
A 666	34		J29-R	16				.25	YES			
			J4-Y	3				.22	NO		43	
A 667	34		J29-S	16				.25	YES			
			J4-B*	3				.22	NO		43	
A 668	34		J29-T	16				.25	YES			
			J4-C*	3				.22	NO		43	
A 669	34		J29-U	16				.25	YES			
			J4-F*	3				.22	NO		43	
A 670	34		J29-V	16				.25	YES			
			J4-G*	3				.22	NO		43	
A 671	34		J29-W	16				.25	YES			
			J4-J*	3				.22	NO		43	
A 672	34		J29-X	16				.25	YES			
			J4-K*	3				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR K G H	SHEET 64 OF ~~88~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 673	34		J30-F	22				.25	YES		25	
			J6-KK	8				.22	NO		43	
A 674	34		J30-H	22				.25	YES			
			J6-LL	8				.22	NO		43	
A 675	34		J30-B	22				.25	YES		25	
			J6-MM	8				.22	NO		43	
A 676	34		J30-D	22				.25	YES		25	
			J6-NN	8				.22	NO		43	
A 677	34		J30-R	22				.25	YES		25	
			J4-P*	3				.22	NO		43	
A 678	34		J30-S	22				.25	YES			
			J4-Q*	3				.22	NO		43	
A 679	34		J30-K	22				.25	YES		25	
			J4-R*	3				.22	NO		43	
A 680	34		J30-M	22				.25	YES		25	
			J4-S*	3				.22	NO		43	
A 681	34		J30-V	22				.25	YES			
			J5-A	4				.22	NO		43	
A 682	34		J30-X	22				.25	YES			
			J5-B	4				.22	NO		43	
A 683	34		J30-Z	22				.25	YES		25	
			J5-C	4				.22	NO		43	
A 684	34		J30-Y	22				.25	YES		25	
			J5-D	4				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR K G H	SHEET 65 OF ~~88~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 685	34		J31-B	21				.25	YES			
			J4-T*	3				.22	NO		43	
A 686	34		J31-D	21				.25	YES			
			J4-U*	3				.22	NO		43	
A 687	34		J31-F	21				.25	YES		25	
			J4-V*	3				.22	NO		43	
A 688	34		J31-E	21				.25	YES		25	
			J4-W*	3				.22	NO		43	
A 689	34		J31-J	21				.25	YES			
			J5-E	4				.22	NO		43	
A 690	34		J31-L	21				.25	YES			
			J5-F	4				.22	NO		43	
A 691	34		J31-N	21				.25	YES		25	
			J5-G	4				.22	NO		43	
A 692	34		J31-M	21				.25	YES		25	
			J5-H	4				.22	NO		43	
A 693	34		J31-R	21				.25	YES			
			J5-J	4				.22	NO		43	
A 694	34		J31-T	21				.25	YES			
			J5-K	4				.22	NO		43	
A 695	34		J31-U	21				.25	YES		25	
			J5-L	4				.22	NO		43	
A 696	34		J31-S	21				.25	YES			
			J5-M	4				.22	NO		43	

SIZE	CODE IDENT NO.	2901064
A	99974	90
SCALE-NONE	REV LTR K G H	SHEET 66 OF ~~88~~

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 697	34		J31-M	21				.25	YES			
			J5-N	4				.22	NO		43	
A 698	34		J31-Y	21				.25	YES			
			J5-P	4				.22	NO		43	
A 699	34		J31-Z	21				.25	YES		25	
			J5-R	4				.22	NO		43	
A 700	34		J31-X	21				.25	YES			
			J5-S	4				.22	NO		43	
A 701	34		J32-F	35				.25	YES		25	
			J4-X*	3				.22	NO		43	
A 702	34		J32-H	35				.25	YES			
			J4-Y*	3				.22	NO		43	
A 703	34		J32-B	35				.25	YES		25	
			J4-Z*	3				.22	NO		43	
A 704	34		J32-D	35				.25	YES		25	
			J4-AA	3				.22	NO		43	
A 705	34		J32-J	35				.25	YES			
			J3-P*	2				.22	NO		43	
A 706	34		J32-K	35				.25	YES			
			J3-Q*	2				.22	NO		43	
A 707	34		J32-M	35				.25	YES		25	
			J3-T*	2				.22	NO		43	
A 708	34		J32-N	35				.25	YES			
			J3-U*	2				.22	NO		43	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 67 OF ~~84 88~~

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MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 709	34		J32-S	35				.25	YES		25	
			J3-X*	2				.22	NO		43	
A 710	34		J32-T	35				.25	YES			
			J3-Y*	2				.22	NO		43	
A 711	34		J32-Y	35				.25	YES			
			J8-T	6				.22	NO		43	
A 712	34		J32-Z	35				.25	YES			
			J8-U	6				.22	NO		43	
A 713	34		J32-V	35				.25	YES		25	
			J8-V	6				.22	NO		43	
A 714	34		J32-X	35				.25	YES		25	
			J8-W	6				.22	NO		43	
A 715	34		J33-F	36				.25	YES		25	
			J8-X	6				.22	NO		43	
A 716	34		J33-H	36				.25	YES			
			J8-Y	6				.22	NO		43	
A 717	34		J33-B	36				.25	YES		25	
			J8-Z	6				.22	NO		43	
A 718	34		J33-D	36				.25	YES		25	
			J8-A*	6				.22	NO		43	
A 719	34		J33-P	36				.25	YES		25	
			J8-B*	6				.22	NO		43	
A 720	34		J33-R	36				.25	YES			
			J8-C*	6				.22	NO		43	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 68 OF ~~84 88~~

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MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 721	34		J33-K	36				.25	YES		25	
			J8-D*	6				.22	NO		43	
A 722	34		J33-M	36				.25	YES		25	
			J8-E*	6				.22	NO		43	
A 723	34		J33-X	36				.25	YES		25	
			J8-F*	6				.22	NO		43	
A 724	34		J33-Y	36				.25	YES			
			J8-G*	6				.22	NO		43	
A 725	34		J33-T	36				.25	YES		25	
			J8-H*	6				.22	NO		43	
A 726	34		J33-V	36				.25	YES		25	
			J8-I*	6				.22	NO		43	
A 727	34		J34-E	17				.25	YES			
			J8-J*	6				.22	NO		43	
A 728	34		J34-F	17				.25	YES			
			J8-K*	6				.22	NO		43	
A 729	34		J34-B	17				.25	YES		25	
			J8-M*	6				.22	NO		43	
A 730	34		J34-D	17				.25	YES		25	
			J8-N*	6				.22	NO		43	
A 731	34		J34-L	17				.25	YES			
			J8-P*	6				.22	NO		43	
A 732	34		J34-M	17				.25	YES			
			J8-Q*	6				.22	NO		43	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 69 OF ~~84 88~~

90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 733	34		J34-J	17				.25	YES		25	
			J8-R*	6				.22	NO		43	
A 734	34		J34-K	17				.25	YES			
			J8-S*	6				.22	NO		43	
A 735	34		J34-T	17				.25	YES			
			J8-T*	6				.22	NO		43	
A 736	34		J34-U	17				.25	YES			
			J8-U*	6				.22	NO		43	
A 737	34		J34-P	17				.25	YES		25	
			J8-V*	6				.22	NO		43	
A 738	34		J34-R	17				.25	YES			
			J8-W*	6				.22	NO		43	
A 739	34		J34-Y	17				.25	YES			
			J8-X*	6				.22	NO		43	
A 740	34		J34-Z	17				.25	YES			
			J8-Y*	6				.22	NO		43	
A 741	34		J34-W	17				.25	YES		25	
			J8-Z*	6				.22	NO		43	
A 742	34		J34-X	17				.25	YES			
			J8-AA	6				.22	NO		43	
A 743	34		J35-E	18				.25	YES			
			J8-BB	6				.22	NO		43	
A 744	34		J35-F	18				.25	YES			
			J8-CC	6				.22	NO		43	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 70 OF ~~84 88~~

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MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 793	34		J39-E	38				.25	YES		25	
			J7-MM	7				.22	NO		43	
A 794	34		J39-H	38				.25	YES		25	
			J7-NN	7				.22	NO		43	
A 795	34		J39-K	38				.25	YES		25	
			J3-DD	2				.22	NO		43	
A 796	34		J39-M	38				.25	YES		25	
			J3-EE	2				.22	NO		43	
A 797	34		J39-P	38				.25	YES		25	
			J3-HH	2				.22	NO		43	
A 798	34		J39-S	38				.25	YES		25	
			J3-JJ	2				.22	NO		43	
A 799	34		J39-U	38				.25	YES		25	
			J3-MM	2				.22	NO		43	
A 800	34		J39-W	38				.25	YES		25	
			J3-NN	2				.22	NO		43	
A 801	34		J1-R	59				.22	NO		44	
			J2-U*	1				.22	NO		43	
A 802	34		J1-S	59				.22	NO		44	
			E2	60				.37	NO			
A 803	34		J1-T	59				.22	NO		44	
			E1	61				.37	NO		40	
A 804	34		J1-U	59				.22	NO		44	
			J2-T*	1				.22	NO		43	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 75 OF ~~77~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 805	34		J1-H*	59				.22	NO		44	SEE NOTE 18
			J2-Z	1				.22	NO		43	
A 806	34		J1-I*	59				.22	NO		44	SEE NOTE 18
			J2-A*	1				.22	NO		43	
A 807	34		J1-J*	59				.22	NO		44	SEE NOTE 18
			J2-M*	1				.22	NO		43	
A 808	34		J1-K*	59				.22	NO		44	SEE NOTE 18
			J2-N*	1				.22	NO		43	
A 809	42		J1-M*	59				.22	NO		44	SEE NOTE 18
			J2-X	1				.22	NO			
A 810	34		J1-N*	59				.22	NO		44	SEE NOTE 18
			J2-Y	1				.22	NO		43	
A 811	33				1.80	1.50				A,4	31, 32	
					1.80	1.50				B,7	32	
A 811A	34		SHLD A811					.25	NO			
			E2	60				.37	NO			
A 811L			J1-W	59				.22	NO		44	
			J2-U	1				.22	NO		43	
A 811R			J1-V	59				.22	NO		44	
			J2-T	1				.22	NO		43	
A 812	33				1.80	1.50				A,4	31, 32	
					1.80	1.50				B,7	32	
A 812A	34		SHLD A812					.25	NO			
			E2	60				.37	NO			

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 76 OF ~~78~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 812L			J1-Y	59				.22	NO		44	
			J2-W	1				.22	NO		43	
A 812R			J1-X	59				.22	NO		44	
			J2-V	1				.22	NO		43	
A 813	33				1.80	1.50				A,4	31, 32	
					1.80	1.50				B,7	32	
A 813A	34		SHLD A813					.25	NO			
			E2	60				.37	NO			
A 813L			J1-A*	59				.22	NO		44	
			J2-S	1				.22	NO		43	
A 813R			J1-Z	59				.22	NO		44	
			J2-R	1				.22	NO		43	
A 814	33				1.80	1.50				A,4	31, 32	
					1.80	1.50				B,7	32	
A 814A	34		SHLD A814					.25	NO			
			E2	60				.37	NO			
A 814L			J1-C*	59				.22	NO		44	
			J2-P	1				.22	NO		43	
A 814R			J1-B*	59				.22	NO		44	
			J2-N	1				.22	NO		43	
A 815	34		J1-PP	59				.22	NO		44	
			A1H0-A*	64				.25	NO			
A 816	34		J1-NN	59				.22	NO		44	
			A1H1-A*	66				.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 77 OF ~~79~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 817	34		J1-MM	59				.22	NO		44	
			A1H2-A*	68				.25	NO			
A 818	34		J1-LL	59				.22	NO		44	
			A1H3-A*	70				.25	NO			
A 819	34		J1-KK	59				.22	NO		44	
			A1H4-A*	72				.25	NO			
A 820	34		J1-JJ	59				.22	NO		44	
			A1H5-A*	74				.25	NO			
A 821	34		J1-HH	59				.22	NO		44	
			A1H6-A*	76				.25	NO			
A 822	34		J1-GG	59				.22	NO		44	
			A1H7-A*	78				.25	NO			
A 823	34		J1-FF	59				.22	NO		44	
			A1H8-A*	80				.25	NO			
A 824	34		J1-EE	59				.22	NO		44	
			A1H9-A*	82				.25	NO			
A 825	34		J1-DD	59				.22	NO		44	
			A1S0-A*	177				.25	NO			
A 826	34		J1-CC	59				.22	NO		44	
			A1S1-A*	175				.25	NO			
A 827	34		J1-BB	59				.22	NO		44	
			A1S2-A*	173				.25	NO			
A 828	34		J1-AA	59				.22	NO		44	
			A1S3-A*	171				.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 78 OF ~~80~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 829	34		J1-Z*	59				.22	NO		44	
			A1S4-A*	169				.25	NO			
A 830	34		J1-Y*	59				.22	NO		44	
			A1S5-A*	167				.25	NO			
A 831	34		J1-X*	59				.22	NO		44	
			A1S6-A*	165				.25	NO			
A 832	34		J1-W*	59				.22	NO		44	
			A1S7-A*	163				.25	NO			
A 833	34		J1-V*	59				.22	NO		44	
			A1S8-A*	161				.25	NO			
A 834	34		J1-U*	59				.22	NO		44	
			A1S9-A*	159				.25	NO			
A 835	34		A1H0-A*	64				.25	NO			
			A1H0-1	120				.25	NO		27, 29	
A 836	34		A1H1-A*	66				.25	NO			
			A1H1-1	116				.25	NO		27, 29	
A 837	34		A1H2-A*	68				.25	NO			
			A1H2-1	112				.25	NO		27, 29	
A 838	34		A1H3-A*	70				.25	NO			
			A1H3-1	108				.25	NO		27, 29	
A 839	34		A1H4-A*	72				.25	NO			
			A1H4-1	104				.25	NO		27, 29	
A 840	34		A1H5-A*	74				.25	NO			
			A1H5-1	100				.25	NO		27, 29	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 79 OF ~~88~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 841	34		A1H6-A*	76				.25	NO			
			A1H6-1	96				.25	NO		27, 29	
A 842	34		A1H7-A*	78				.25	NO			
			A1H7-1	92				.25	NO		27, 29	
A 843	34		A1H8-A*	80				.25	NO			
			A1H8-1	88				.25	NO		27, 29	
A 844	34		A1H9-A*	82				.25	NO			
			A1H9-1	84				.25	NO		27, 29	
A 845	34		A1S0-A*	177				.25	NO			
			A1S0-1	121				.25	NO		27, 29	
A 846	34		A1S1-A*	175				.25	NO			
			A1S1-1	125				.25	NO		27, 29	
A 847	34		A1S2-A*	173				.25	NO			
			A1S2-1	129				.25	NO		27, 29	
A 848	34		A1S3-A*	171				.25	NO			
			A1S3-1	133				.25	NO		27, 29	
A 849	34		A1S4-A*	169				.25	NO			
			A1S4-1	137				.25	NO		27, 29	
A 850	34		A1S5-A*	167				.25	NO			
			A1S5-1	141				.25	NO		27, 29	
A 851	34		A1S6-A*	165				.25	NO			
			A1S6-1	145				.25	NO		27, 29	
A 852	34		A1S7-A*	163				.25	NO			
			A1S7-1	149				.25	NO		27, 29	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 80 OF ~~88~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 853	34		A1S8-A*	161				.25	NO			
			A1S8-1	153				.25	NO		27, 29	
A 854	34		A1S9-A*	159				.25	NO			
			A1S9-1	157				.25	NO		27, 29	
A 855	34		J1-S*	59				.22	NO		44	
			A1S0-2	122				.25	NO			
A 856	34		A1S0-2	122				.25	NO			
			A1S1-2	126				.25	NO			
A 857	34		A1S1-2	126				.25	NO			
			A1S2-2	130				.25	NO			
A 858	34		A1S2-2	130				.25	NO			
			A1S3-2	134				.25	NO			
A 859	34		A1S3-2	134				.25	NO			
			A1S4-2	138				.25	NO			
A 860	34		A1S4-2	138				.25	NO			
			A1S5-2	142				.25	NO			
A 861	34		A1S5-2	142				.25	NO			
			A1S6-2	146				.25	NO			
A 862	34		A1S6-2	146				.25	NO			
			A1S7-2	150				.25	NO			
A 863	34		A1S7-2	150				.25	NO			
			A1S8-2	154				.25	NO			
A 864	34		A1S8-2	154				.25	NO			
			A1S9-2	157				.25	NO		27, 29	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 81 OF ~~88~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 865	34		J1-R*	59				.22	NO		44	
			A1S0-3	123				.25	NO			
A 866	34		A1S0-3	123				.25	NO			
			A1S1-3	127				.25	NO			
A 867	34		A1S1-3	127				.25	NO			
			A1S2-3	131				.25	NO			
A 868	34		A1S2-3	131				.25	NO			
			A1S3-3	135				.25	NO			
A 869	34		A1S3-3	135				.25	NO			
			A1S4-3	139				.25	NO			
A 870	34		A1S4-3	139				.25	NO			
			A1S5-3	143				.25	NO			
A 871	34		A1S5-3	143				.25	NO			
			A1S6-3	147				.25	NO			
A 872	34		A1S6-3	147				.25	NO			
			A1S7-3	151				.25	NO			
A 873	34		A1S7-3	151				.25	NO			
			A1S8-3	155				.25	NO			
A 874	34		A1S8-3	155				.25	NO			
			A1S9-3	157				.25	NO		27, 29	
A 875	34		J1-Q*	59				.22	NO		44	
			A1H0-2	119				.25	NO			
A 876	34		A1H0-2	119				.25	NO			
			A1H1-2	115				.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR K G H	SHEET 82 OF ~~88~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 877	34		A1H1-2	115				.25	NO			
			A1H2-2	111				.25	NO			
A 878	34		A1H2-2	111				.25	NO			
			A1H3-2	107				.25	NO			
A 879	34		A1H3-2	107				.25	NO			
			A1H4-2	103				.25	NO			
A 880	34		A1H4-2	103				.25	NO			
			A1H5-2	99				.25	NO			
A 881	34		A1H5-2	99				.25	NO			
			A1H6-2	95				.25	NO			
A 882	34		A1H6-2	95				.25	NO			
			A1H7-2	91				.25	NO			
A 883	34		A1H7-2	91				.25	NO			
			A1H8-2	87				.25	NO			
A 884	34		A1H8-2	87				.25	NO			
			A1H9-2	84				.25	NO		27, 29	
A 885	34		J1-P*	59				.22	NO		44	
			A1H0-3	118				.25	NO			
A 886	34		A1H0-3	118				.25	NO			
			A1H1-3	114				.25	NO			
A 887	34		A1H1-3	114				.25	NO			
			A1H2-3	110				.25	NO			
A 888	34		A1H2-3	110				.25	NO			
			A1H3-3	106				.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR E G H	SHEET 83 OF ~~84~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 889	34		A1H3-3	106				.25	NO			
			A1H4-3	102				.25	NO			
A 890	34		A1H4-3	102				.25	NO			
			A1H5-3	98				.25	NO			
A 891	34		A1H5-3	98				.25	NO			
			A1H6-3	94				.25	NO			
A 892	34		A1H6-3	94				.25	NO			
			A1H7-3	90				.25	NO			
A 893	34		A1H7-3	90				.25	NO			
			A1H8-3	86				.25	NO			
A 894	34		A1H8-3	86				.25	NO			
			A1H9-3	84				.25	NO		27, 29	
A 895	34		J1-T*	59				.22	NO		44	
			E3	62				.37	NO			
A 896	34		E3	62				.37	NO			
			A1S0-B*	176				.25	NO			
A 897	34		A1S1-B*	174				.25	NO			
			A1S2-B*	172				.25	NO			
A 898	34		A1S1-4	128				.25	NO			
			A1S2-4	132				.25	NO			
A 899	34		A1S2-B*	172				.25	NO			
			A1S3-B*	170				.25	NO			
A 900	34		A1S2-4	132				.25	NO			
			A1S3-4	136				.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR E G H	SHEET 84 OF ~~84~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 901	34		A1S3-B*	170				.25	NO			
			A1S4-B*	168				.25	NO			
A 902	34		A1S3-4	136				.25	NO			
			A1S4-4	140				.25	NO			
A 903	34		A1S4-B*	168				.25	NO			
			A1S5-B*	166				.25	NO			
A 904	34		A1S4-4	140				.25	NO			
			A1S5-4	144				.25	NO			
A 905	34		A1S5-B*	166				.25	NO			
			A1S6-B*	164				.25	NO			
A 906	34		A1S5-4	144				.25	NO			
			A1S6-4	148				.25	NO			
A 907	34		A1S6-B*	164				.25	NO			
			A1S7-B*	162				.25	NO			
A 908	34		A1S6-4	148				.25	NO			
			A1S7-4	152				.25	NO			
A 909	34		A1S7-B*	162				.25	NO			
			A1S8-B*	160				.25	NO			
A 910	34		A1S7-4	152				.25	NO			
			A1S8-4	156				.25	NO			
A 911	34		A1S8-B*	160				.25	NO			
			A1S9-B*	158				.25	NO		27 29	
A 912	34		A1S8-4	156				.25	NO			
			A1S9-4	157				.25	NO		27 29	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR E G H	SHEET 85 OF ~~84~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 913	34		A1S0-4	124				.25	NO			
			A1S1-4	128				.25	NO			
A 914	34		E3	62				.37	NO			
			A1H0-B*	65				.25	NO			
A 915	34		A1H0-B*	65				.25	NO			
			A1H1-B*	67				.25	NO			
A 916	34		A1H0-4	117				.25	NO			
			A1H1-4	113				.25	NO			
A 917	34		A1H1-B*	67				.25	NO			
			A1H2-B*	69				.25	NO			
A 918	34		A1H1-4	113				.25	NO			
			A1H2-4	109				.25	NO			
A 919	34		A1H2-B*	69				.25	NO			
			A1H3-B*	71				.25	NO			
A 920	34		A1H2-4	109				.25	NO			
			A1H3-4	105				.25	NO			
A 921	34		A1H3-B*	71				.25	NO			
			A1H4-B*	73				.25	NO			
A 922	34		A1H3-4	105				.25	NO			
			A1H4-4	101				.25	NO			
A 923	34		A1H4-B*	73				.25	NO			
			A1H5-B*	75				.25	NO			
A 924	34		A1H4-4	101				.25	NO			
			A1H5-4	97				.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR E G H	SHEET 86 OF ~~84~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 925	34		A1H5-B*	75				.25	NO			
			A1H6-B*	77				.25	NO			
A 926	34		A1H5-4	97				.25	NO			
			A1H6-4	93				.25	NO			
A 927	34		A1H6-B*	77				.25	NO			
			A1H7-B*	79				.25	NO			
A 928	34		A1H6-4	93				.25	NO			
			A1H7-4	89				.25	NO			
A 929	34		A1H7-B*	79				.25	NO			
			A1H8-B*	81				.25	NO			
A 930	34		A1H7-4	89				.25	NO			
			A1H8-4	85				.25	NO			
A 931	34		A1H8-B*	81				.25	NO			
			A1H9-B*	83				.25	NO		27 29	
A 932	34		A1H8-4	85				.25	NO			
			A1H9-4	84				.25	NO		27 29	
A 933	34		A1H0-4	117				.25	NO			
			E3	62				.37	NO			
A 934	34		J1-F*	59				.22	NO		44	
			P71-1	63				.25	YES		26	
A 935	34		J1-G*	59				.22	NO		44	
			P71-2	63				.25	YES		26	
A 936	34		J1-D*	59				.22	NO		44	
			P71-3	63				.25	YES		26	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR H	SHEET 87 OF ~~89~~ 90

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 937	34		J1-E*	59				.22	NO		44	
			P71-4	63				.25	YES		26	
A 938	42		J2-X	1				.22	NO		43	
			J29-Y	16				.25	YES		25	
A 939	34		J29-Z	16				.25	YES		25	
			J2-BB	1				.22	NO		43	
A 940	34		A1S0-B*	176				.25	NO			
			A1S1-B*	174				.25	NO			
A 941	34		A1S0-4	124				.25	NO			
			E3	62				.37	NO			
A 942	33				1.80	1.50				A,4	31,32	
					1.80	1.50				B,7	32	
A 942A	34		SHLD A942					.25	NO			
			E2	60				.37	NO			
A 942L			J1-N	59				.22	NO		44	
			J76	181				.25	YES		32	
A 942R			J1-P	59				.22	NO		44	
			J75	182				.25	YES		32	
A 943	34		J1-M	59				.22	NO		44	
			J77	183				.25	YES		32	
A 944	33				1.80	1.50				A,4	31,32	
					1.80	1.50				B,7	32	
A 944A	34		SHLD A944					.25	NO			
			E2	60				.37	NO			

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR H	SHEET 88 of 90

MIL 2084 9-65

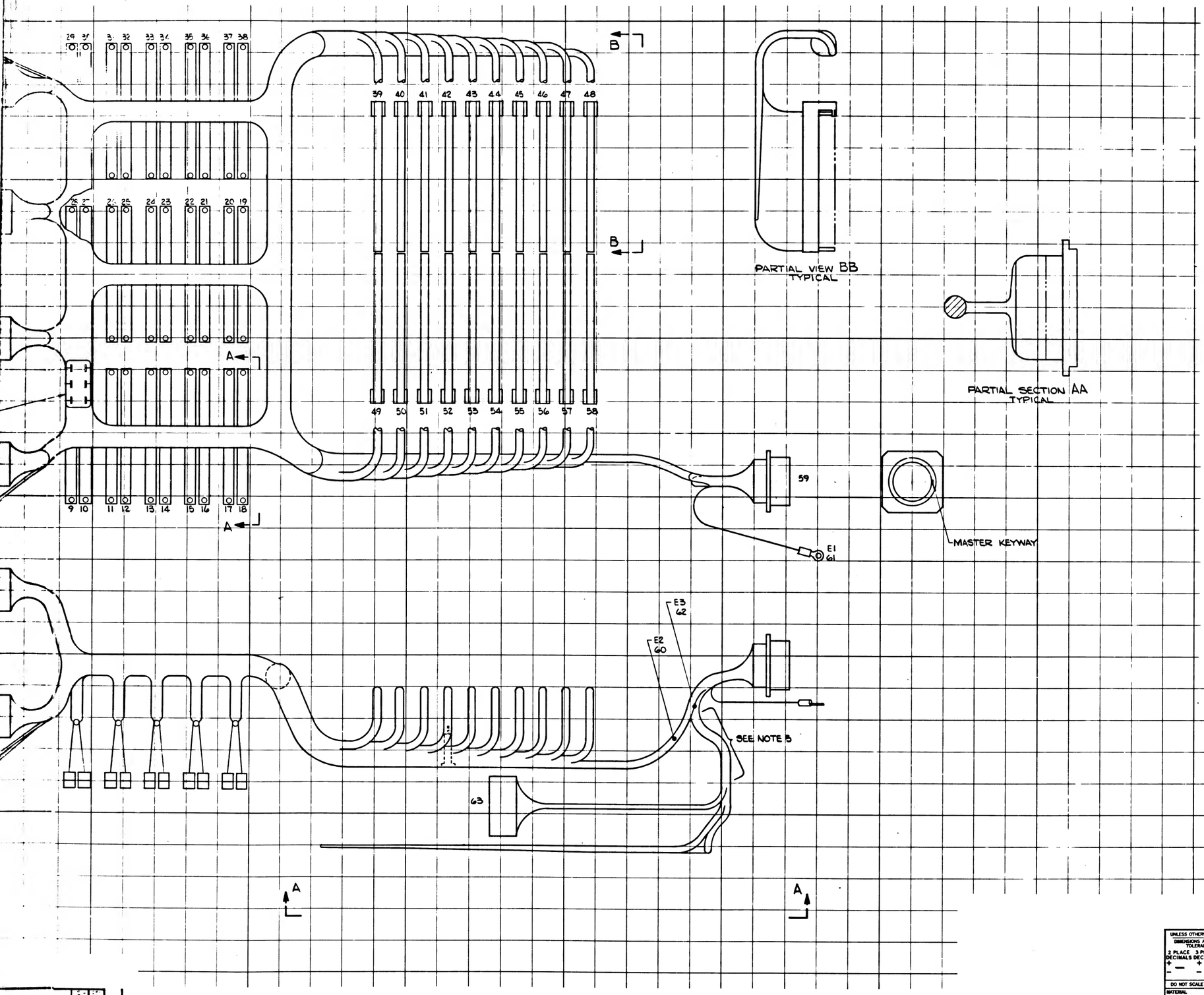
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 944L			J1-K	59				.22	NO		44	
			J73	178				.25	YES		32	
A 944R			J1-L	59				.22	NO		44	
			J72	179				.25	YES		32	
A 945			J1-J	59				.22	NO		44	
			J74	180				.25	YES		32	

SIZE	CODE IDENT NO.	
A	99974	2901064
SCALE-NONE	REV LTR H	SHEET 89 of 90

MIL 2.84 9-65

REVISIONS FOR 1.10				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD.

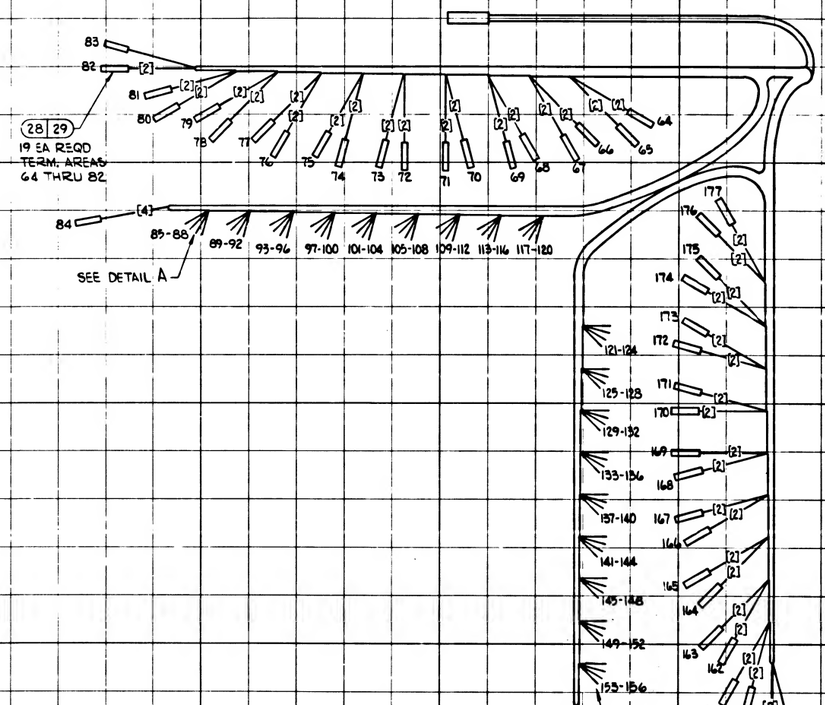


TERM. AREA	REF DES	ITEM NO.	
1	J2	5	
2	J5	2	
3	J4	1	
4	J5	3	
5	J9	2	
6	J8	4	
7	J7	3	
8	J6	1	
9	J10	10	
10	J11	24	
11	J16	11	
12	J17	24	
13	J22	13	
14	J23	24	
15	J28	16	
16	J29	24	
17	J34	19	
18	J35	24	
19	J37	24	
20	J36	20	
21	J31	24	
22	J30	17	
23	J25	24	
24	J24	14	
25	J19	24	
26	J18	12	
27	J13	24	
28	J12	7	
29	J14	8	
30	J15	24	
31	J20	9	
32	J21	24	
33	J26	15	
34	J27	24	
35	J32	18	
36	J33	24	
37	J38	21	
38	J39	24	
39	P70	23	
40	P69	23	
41	P68	23	
42	P67	23	
43	P66	23	
44	P65	23	
45	P64	23	
46	P63	23	
47	P62	23	
48	P61	23	
49	P60	23	
50	P59	23	
51	P58	23	
52	P57	23	
53	P56	23	
54	P55	23	
55	P54	23	
56	P53	23	
57	P52	23	
58	P51	23	
59	J1	6	
60	E2	46, 47	SEE NOTE 11
62	E3	32, 45	SEE NOTE 11
63	P71	22	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN [illegible] DATE 5 APR 66 CHECKED [illegible] APR 66 APPROVAL CONTRACT NAS 9-497	WIRING HARNESS "A"
MATERIAL	NASA APPROVAL MIT APPROVAL	SIZE J2 CODE IDENT NO 99974 — 2901064
APPROVAL		SCALE 1/1 — SHEET 90 OF 90

2901064

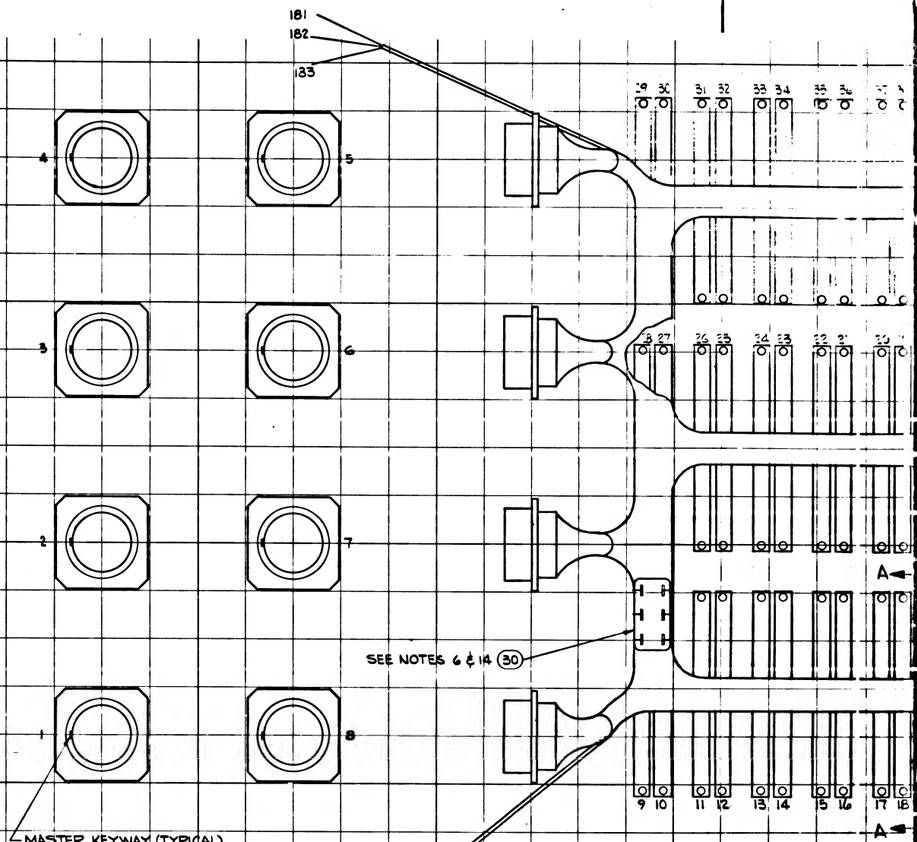
27-2901064



VIEW AA

DETAIL A
9 PLACES
TERM. AREAS 85 THRU 120
"X" DENOTES LOWEST TERM. AREA NO.

DETAIL B
9 PLACES
TERM. AREAS 121 THRU 156
"X" DENOTES LOWEST TERM. AREA NO.



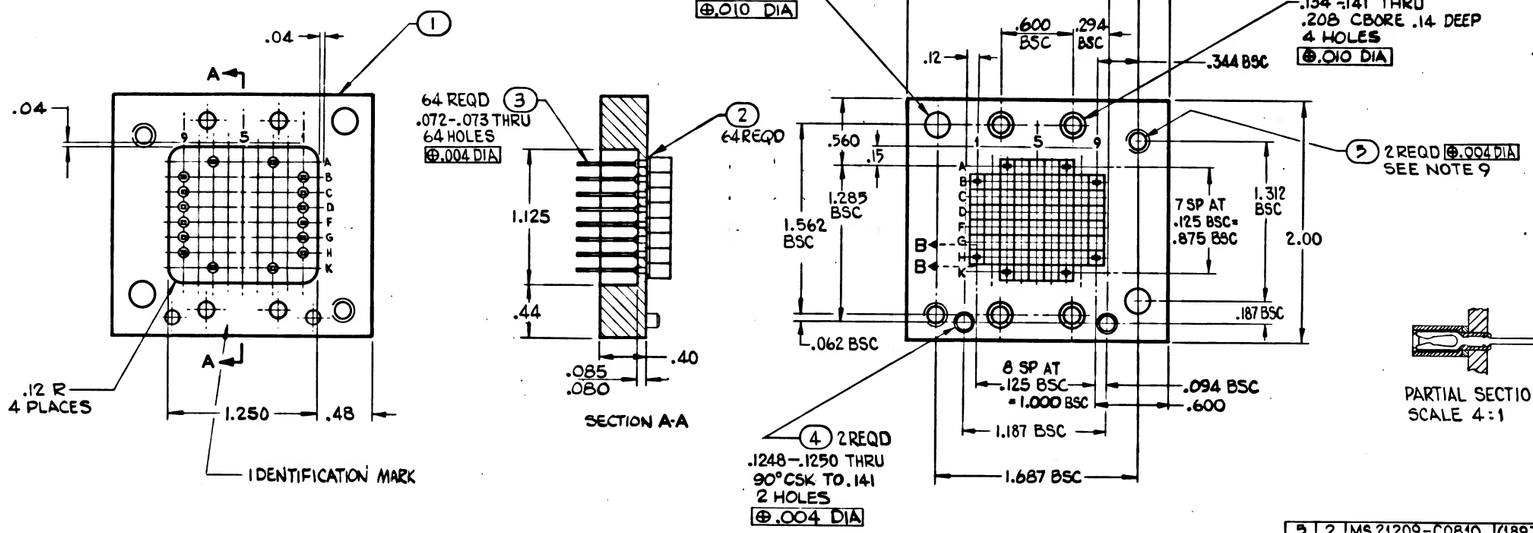
2901064 S-90 REV H

1/2901064

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. IDENTIFY USING DRAWING NO. PER MIL-STD-130 (ES267).
4. MATERIAL: QQ-A-250/11, TEMPER T651 (AL ALY, 6061, ES2106)
5. FINISH: MIL-A-8625, TYPE I (ANODIZE ES385).
6. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS TO BE .005 TO .015 R OR CHAMFER.
   B. SURFACE ROUGHNESS NOT TO EXCEED 125
7. MUST BE FREE FROM BURRS.
8. MARK CHARACTERS PER ND 1007019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
9. INSTALL ITEM (3) WITH MIL-P-8585 ZINC CHROMATE PRIMER (ES2589) PER MS33646. REMOVE TANG.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER LTR NC 210959		22 APR 66	
B		INITIAL RELEASE CLASS A PER TDRR 26004		2 MAY 66	



ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
5	2	MS 21209-C0810	(1897110-008) INSERT, SCREW THD.
4	2	MS 16555-627	PIN, STRAIGHT
3	64	1897263-002	CONTACT, ELECTRICAL
2	64	1897265	INSULATOR, BUSHING
1	1	2901069 -001	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

SEE NOTE 2
SEE NOTE 2
SEE NOTES 4 & 5

2901070-011	2901076-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE ± .02 | 3 PLACE DECIMALS ± .005 | ANGLES ± 1°
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS
DRAWN 6 DEC 65 DATE
CHECKED 21 DEC 65
APPROVAL
CONTRACT NAS9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

BASE, ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

SIZE	CODE IDENT NO.	
D	99974	2901069

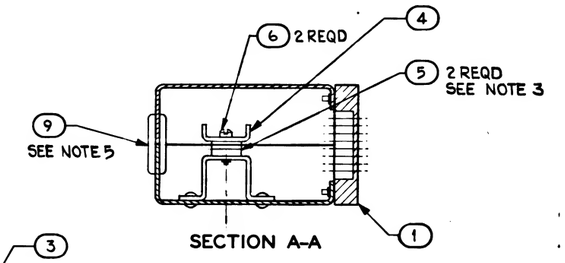
SCALE 2:1 SHEET 1 OF 1

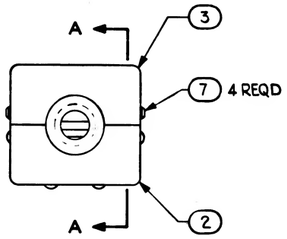
2901069

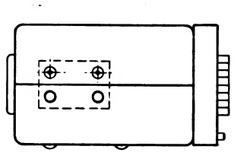
NOTES:

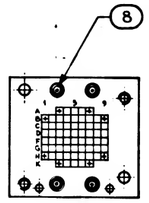
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
3. BOND ONE OF ITEM (5) TO ITEM (4) AND ONE TO ITEM (2) PER ND1002151, USING ITEMS (10) & (11).
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NO. PER MIL-STD-130(ES267).
5. SPLIT ITEM (9) AT ASSEMBLY PER MS35489.

REVISIONS						
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED	
	A	REVISED PER MXC 210431		6 APR 66	B.	
	B	REVISED PER MXC 210960		11 APR 66		
	C	INITIAL RELEASE CLASS A PER TDRR 28604		2 MAY 66		









QUANTITY REQUIRED	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				LIST OF PARTS AND MATERIALS
	011			
AR		11	MIL-A-25457	ADHESIVE SILICONE
AR		10	1010718	PRIMER ADHESIVE
1		9	MS35489-13	GROMMET, RUBBER
4		8	1017418-11	SCREW, CAP SOC HD
4		7	1006783-19	SCREW, BUTTON HD
2		6	2901022-004	SCREW, SHOULDER
2		5	2900580-002	GASKET
1		4	2900711-002	CLAMP, MOVABLE
1		3	2901067	SHELL, COVER (INSEP ASSY)
1		2	2901068	SHELL, CLAMP (INSEP ASSY)
1		1	2901069	BASE, ELECT. CONNECTOR

SEE NOTE 2
SEE NOTE 2

2901351	2901076-011	-011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON 2 PLACE DECIMALS ± — 3 PLACE DECIMALS ± — ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN R. H. Becker 16 DEC 65 DATE
CHECKED
APPROVAL
CONTRACT NAS9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

CONNECTOR ASSEMBLY, ELECTRICAL - FEMALE

SIZE	CODE IDENT NO.	
D	99974	2901070

SCALE 1:1 SHEET 1 OF 1

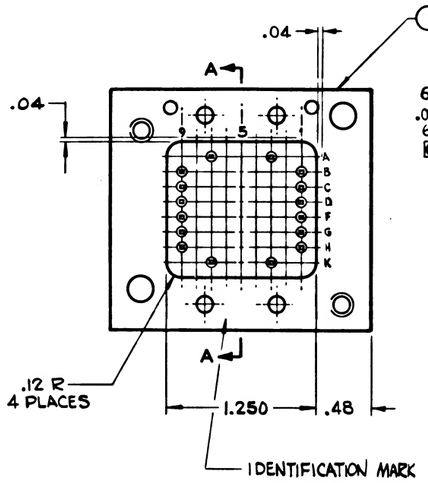
2901070

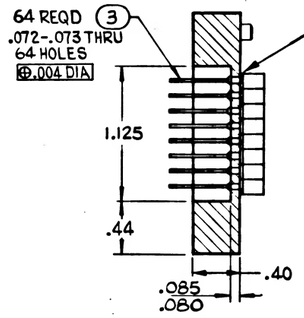
MIL-10820 D

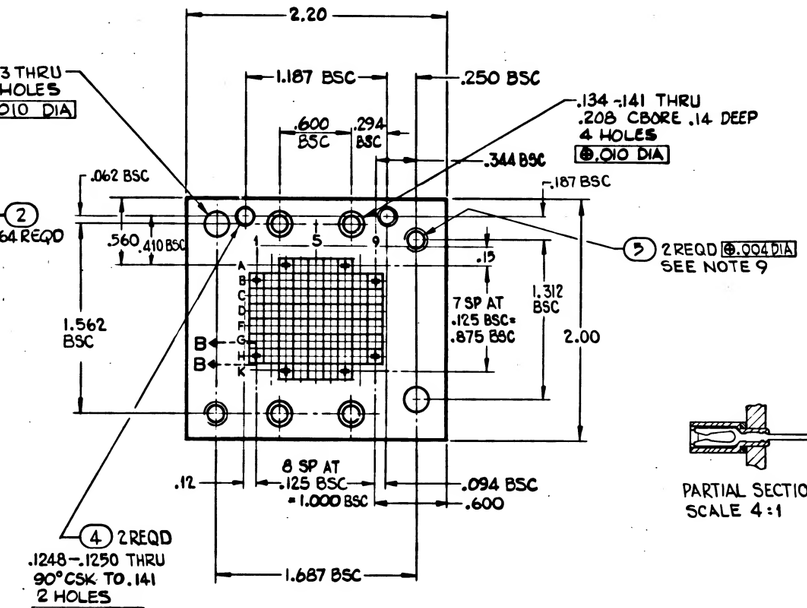
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. IDENTIFY USING DRAWING NO. PER MIL-STD-130(ES267).
4. MATERIAL: QQ-A-250/11, TEMPER T651(AL ALY, 6061, ES2106)
5. FINISH: MIL-A-8625, TYPE I (ANODIZE ES385).
6. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS TO BE .005 TO .015 R OR CHAMFER.
   B. SURFACE ROUGHNESS NOT TO EXCEED 125
7. MUST BE FREE FROM BURRS.
8. MARK CHARACTERS PER ND 1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
9. INSTALL ITEM (5) WITH MIL-P-8585 ZINC CHROMATE PRIMER (ES2589) PER MS33646. REMOVE TANG.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		REVISED PER MXC 210961		11 APR 66	JMP
B		INITIAL RELEASE CLASS A PER TDRR 28604		2 MAY 66	RP ET







PARTIAL SECTION B-B
SCALE 4:1

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
5	2	MS 21209-C0810	(1897110-008) INSERT, SCREW THD.
4	2	MS16555-627	PIN, STRAIGHT
3	64	1897263-002	CONTACT, ELECTRICAL
2	64	1897265	INSULATOR, BUSHING
1	1	2901071 -001	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

SEE NOTE 2
SEE NOTE 2
SEE NOTES 4&5

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± .02, 3 PLACE DECIMALS ± .005, ANGLES ± 1°	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN W. Patch 6 DEC 65	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
CHECKED Shaylor 21 DEC 65	BASE, ELECTRICAL CONNECTOR (INSEPARABLE ASSEMBLY)
APPROVAL	
DO NOT SCALE THIS DRAWING	CONTRACT NAS9-497
MATERIAL ——	NASA APPROVAL
	MIT APPROVAL
SIZE D	CODE IDENT NO. 99974
SCALE 2:1	2901071
	SHEET 1 OF 1

2901072-011	2901076-011
NEXT ASSY	USED ON
APPLICATION	

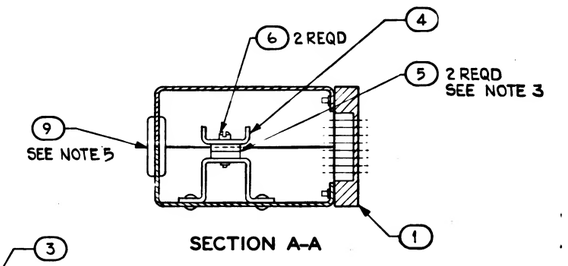
2901071

MIL 1077 D

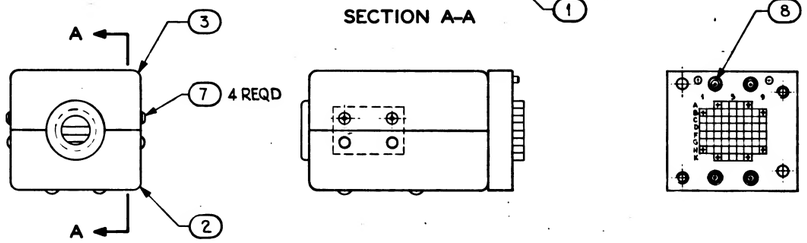
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
3. BOND ONE OF ITEM (3) TO ITEM (4) AND ONE TO ITEM (2) PER ND1002151, USING ITEMS (10) & (11).
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NO. PER MIL-STD-130(ES267).
5. SPLIT ITEM (9) AT ASSEMBLY PER MS35489.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 210432		6 APR 66	K RU
	B	REVISED PER MXC 210962		26 APR 66	JAP RU
	C	INITIAL RELEASE CLASS A PER TDRR 24604		2 MAY 66	RU EF



SECTION A-A



ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	EFFECTIVITY	QUANTITY REQUIRED	
11	MIL-A-25457	ADHESIVE, SILICONE		AR	
10	1010718	PRIMER, ADHESIVE		AR	
9	MS35489-13	GROMMET, RUBBER		1	
8	1017418-11	SCREW, CAP SOC HD		4	SEE NOTE 2
7	1006783-19	SCREW, BUTTON HD		4	SEE NOTE 2
6	2901022-004	SCREW, SHOULDER		2	
5	2900580-002	GASKET		2	
4	2900711-002	CLAMP, MOVABLE		1	
3	2901067	SHELL, COVER (INSEP ASSY)		1	
2	2901068	SHELL, CLAMP (INSEP ASSY)		1	
1	2901071	BASE, ELECT. CONNECTOR		1	

LIST OF PARTS AND MATERIALS

2901352	2901076-011	-011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

DRAWN R. H. Becker DATE 16 DEC 65
CHECKED [illegible] DATE 21 DEC 65
APPROVAL [illegible]
CONTRACT NAS9-497
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR ASSEMBLY, ELECTRICAL - FEMALE

SIZE	CODE IDENT NO.	
D	99974	2901072

SCALE 1:1 SHEET 1 OF 1

2901072

MIL-10682D D

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	REVISED PER MXC 208501	25 JAN 66	RLP
	B	REVISED PER MXC 209802	8 MAR 66	RLP
	C	INITIAL RELEASE CLASS A PER TDRR 28599	2 MAY 66	RLP

QUANTITY REQUIRED	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
		9	2901011-011	BREAKOUT BOX, ADAPTER CABLE
1		8	2900979	CABLE ASSEMBLY W525
1		7	2900978	CABLE ASSEMBLY W524
1		6	2901059	CABLE ASSEMBLY W553
1		5	2901058	CABLE ASSEMBLY W552
1		4	2900950	CABLE ASSEMBLY W502
1		3	2900949	CABLE ASSEMBLY W503
1		2	2900947	CABLE ASSEMBLY W501
1		1	2900948	CABLE ASSEMBLY W500
011			LIST OF PARTS AND MATERIALS	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	2901075	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN J. Manwaring 15 DEC 65 DATE
CHECKED J. Gaylor 15 DEC 65
APPROVAL C. Feldman 5/3/66
CONTRACT NAS9-497

NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

BREAKOUT BOX AND ADAPTER CABLE SET - BASIC

SIZE	CODE IDENT NO.	
C	99974	2901075

SCALE NONE | SHEET 1 of 1

MIL-1082C D

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	REVISED PER MXC 208502	25 JAN 66	RLP GJK
	B	REVISED PER MXC 209700	7 MAR 66	TMY
	C	REVISED PER MXC 210283	17 MAR 66	EF
	D	REVISED PER MXC 210433	31 MAR 66	DKD
	E	INITIAL RELEASE CLASS A PER TDRR 28604	2 MAY 66	JHP EF

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

QUANTITY REQUIRED	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			LIST OF PARTS AND MATERIALS	
011				
1		25	2901351	CABLE ASSEMBLY W586
1		24	2901352	W587
1		23	2901394	W579
1		22	2901395	W578
1		21	2901092	W574
1		20	2901083	W576
1		19	2901093	W575
1		18	2901084	W577
1		17	2901046	W564
1		16	2901088	W565
1		15	2901089	W566
1		14	2901091	W567
1		13	2901087	W580
1		12	2901061	CABLE ASSEMBLY W555
1		11	2901060	CABLE ASSEMBLY W554
1		10	2900971	CABLE ASSEMBLY W519
1		9	2900970	CABLE ASSEMBLY W518
1		8	2900981	CABLE ASSEMBLY W527
1		7	2900980	CABLE ASSEMBLY W526
~~1~~		6	~~2900969~~	~~CABLE ASSEMBLY W517~~
~~1~~		5	~~2900968~~	~~CABLE ASSEMBLY W516~~
1		4	2900977	CABLE ASSEMBLY W523
1		3	2900976	CABLE ASSEMBLY W522
1		2	2900975	CABLE ASSEMBLY W521
1		1	2900974	CABLE ASSEMBLY W520

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900230	2901076	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± | 3 PLACE DECIMALS ± | ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

DRAWN Janowiak 15 DEC 65 DATE
CHECKED Hayles 15 DEC 65
APPROVAL L. Jedeman 5/3/66
CONTRACT NAS9-497

NASA APPROVAL
MIT APPROVAL M.C. Mueller 5-10-66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

ADAPTER CABLE ASSEMBLY SET, ELECTRICAL—BLOCK II

SIZE	CODE IDENT NO.	
C	99974	2901076

SCALE NONE | SHEET 1 of 1

MIL-10B8C D

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

REVISIONS					
ZONE	LTR	DESCRIPTION	LAB. NO.	DATE	APPROVED
	A	REVISED PER D061809		29 MAR 66	EC
	B	REVISION STATUS CHANGED	DA61936	13 APR 66	EC
	C	REVISED		19 APRIL 66	
	D	INITIAL RELEASE CLASS A (SEE TABLE)	28649	5 MAY 66	MJV

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+4 VDC CDU TP	7		1-18		
+14 VDC ISS CDU	1		1-67		
28 VDC G&N (FROM IMU)	4		1-00		
+28 VDC IMU OPERATE (I/F ONLY)	4		2-69		
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU OPERATE	4		2-20	4-4DC	
-28 VDC	4	1.1	1-24	3-4DC	
120 VDC PIP	4		2-59		
400 CPS 60-70 V(MON)	7		2-50		S7
400 CPS 5(MON)	7		2-65		
800 CPS 28V 1% IMU	4		1-21	6-4AC	S1
800 CPS 28V 5% IMU WHEEL βA	1		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL βB	1		2-22		
3200 CPS 28V 1%	4		1-60		
3200 CPS 28V (TO RSS BUFF AMP)	4		1-23	5-7AC	S5
BLOWER CURRENT SENSOR	1		1-66	4-1DAC	
IMU HEATER CURRENT	1		2-58	3-1DC	
ACCEL TEMP	4		2-55	3-3DC	
IRIG TEMP	4		1-56	4-3DC	
X PIPA G/S OUTPUT (B/A 1 V/V)	4		2-51	6-1AC	
Y PIPA G/S OUTPUT (B/A 1 V/V)	4		1-52	5-1AC	
Z PIPA G/S OUTPUT (B/A 1 V/V)	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	1			8-9	
X GYRO ERROR (B/A 1 V/V)	1		2-33	2-1	
Z GYRO ERROR (B/A 1 V/V)	1		2-34	3-1AC	
IMU IG AND Y GYRO ERROR (B/A 1 V/V)	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IMU MG ERROR (B/A 1 V/V)	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
IMU OG ERROR (B/A 1 V/V)	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
IG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-29	1-5	
MG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-28	2-5	
OG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-27	3-5AC	
SIN AIG 16X (B/A 1 V/V)	1		1-50	6-4AC	
SIN AIG 16X (B/A 5.6 V/V)	1	.179	1-39	5-6AC	
COS AIG 16X (B/A 1 V/V)	1		2-49		
COS AIG 16X (B/A 5.6 V/V)	1	.179	2-39	4-6AC	
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (B/A 1 V/V)	1		1-49	5-4AC	
SIN AMG 16X (B/A 5.6 V/V)	1	.179	1-40	1-6	
COS AMG 16X (B/A 1 V/V)	1		2-48		
COS AMG 16X (B/A 5.6 V/V)	1	.179	2-40	2-6	
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (B/A 1 V/V)	1		1-48	4-4AC	
SIN AOG 16X (B/A 5.6 V/V)	1	.179	1-41	3-6AC	
COS AOG 16X (B/A 1 V/V)	1		2-47		
COS AOG 16X (B/A 5.6 V/V)	1	.179	1-29	1-7	
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
AUX HEATER VOLTAGE	4		2-25		
AUX HEATER CURRENT	4		1-58		
TEMP WITHIN LIMITS	1			5-3DC	
SIGNAL CONDITIONER (GDB STEPPER)	2		2-71		
CONTINUITY TEST MONITOR	8		2-91		

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

ISS PULSE SIGNAL

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU ΔΘ1(TO CTR VIA CMS)	1	J2-G	P4	4 & 18	
-IG CDU ΔΘ1(TO CTR VIA CMS)	1	J2-H	P6	19	4
+IG CDU SET (CMS)	1		P7	7	18
-IG CDU SET (CMS)	1		P7		7 & 19
+MG CDU ΔΘ2(TO CTR VIA CMS)	1	J2-J	P5	5 & 20	
-MG CDU ΔΘ2(TO CTR VIA CMS)	1	J2-K	P5	21	5
+MG CDU SET (CMS)	1		P8	8	20
-MG CDU SET (CMS)	1		P8		8 & 21
+OG CDU ΔΘ3(TO CTR VIA CMS)	1	J2-L	P6	6 & 22	
-OG CDU ΔΘ3(TO CTR VIA CMS)	1	J2-M	P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
X PIPA +ΔV	1		P10	10	
X PIPA -ΔV	1		P10		10
Y PIPA +ΔV	1		P11	11	
Y PIPA -ΔV	1		P11		11
Z PIPA +ΔV	1		P12	12	
Z PIPA -ΔV	1		P12		12
PULSE PROBE (TPA NO.2)	7	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	7		P14		
+ AUXILIARY INPUT JACK	7	F/P	S15	14	
- AUXILIARY INPUT JACK	7	F/P	S15		14
TORQUE SET (GCP)	1		P22		
B SCOPE INPUT CHI	7	J1-A			
B SCOPE INPUT CHI	7	J1-C			
A SCOPE INPUT	7	J1-E			
DELAY LINE IN	7	J1-K			
DELAY LINE OUT	7	J1-M			
PX VELOCITY PULSE	1	J3-G			
NX VELOCITY PULSE	1	J3-H			
PY VELOCITY PULSE	1	J3-J			
NY VELOCITY PULSE	1	J3-K			
PZ VELOCITY PULSE	1	J3-L			
NZ VELOCITY PULSE	1	J3-M			
800 PPS 0°	1	J4-B			
3.2 KPPS 0°	1	J4-C			
PULSE PROBE (TPA NO.1)	4	J4-E			

OPTICS SIGNALS

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+14 VDC OPTICS/RR CDU		3	2-68		
28 VDC OPTICS		6	2-00	4-9DC	
800 CPS 28V 1% (OPTICS)		6	1-01	6-13AC	S2
SXT RETICLE LAMP POWER		3	2-67		
+X OPT CDU SET(CMS)		3			P-18
-X OPT CDU SET(CMS)		3			P-19
+Y OPT CDU SET(CMS)		3			P-20
-Y OPT CDU SET(CMS)		3			P-21
TRACKER X OUTPUT (TRUN)		6	2-13	4-8AC	
TRACKER Y OUTPUT (SHAFT)		6	1-13	3-8AC	
CDU SHAFT FINE ERROR (B/A 1 V/V)	1.01	5	2-05	6-11AC	
CDU TRUN FINE ERROR (B/A 1 V/V)	1.01	5	2-06	5-12AC	
SCT SHAFT MDA P/A MON (B/A 1 V/V)	1.01	5	2-10	4-13AC	
SCT SHAFT MDA Q/P MON #1		5	1-10	3-13AC	
SCT TRUN MDA P/A MON (B/A 1 V/V)	1.01	5	1-03	4-12AC	
SCT TRUN MDA OUTPUT MON #1		5	2-02	6-5 AC	
SCT TRUN MDA TACH MON (B/A)*	1.01,.1	5	1-05	5-11AC	
SXT SHAFT MDA OUTPUT MON #1		5	1-14	1-8	
SXT SHAFT MDA P/A MON (B/A 1 V/V)	1.01	5	2-03	2-13	
SXT SHAFT MDA TACH MON(B/A)*	1.01,.1	5	2-07	1-12	
SXT TRUN MDA OUTPUT #1		5	2-14	5-8 AC	
SXT TRUN MDA P/A MON (B/A 1 V/V)	1.01	5	1-06	6-12AC	
SXT TRUN MDA TACH MON(B/A)*	1.01,.1	5	2-09	2-12	
MARK		8		8-5	
SCT SHAFT MDA TACH MON(B/A 1 V/V)	1.01	8	2-04	1-13	

* B/A 1 V/V OR 10 V/V

OPTICS PULSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	CTR D	CTR A	CTR B
SHAFT+ΔΘ1 (TO CTR VIA CMS)	J3-C	3	P-16	16	
SHAFT-ΔΘ1 (TO CTR VIA CMS)	J3-D	3	P-16		16
TRUN+ΔΘ2 (TO CTR VIA CMS)	J3-A	3	P-17	17	
TRUN-ΔΘ2 (TO CTR VIA CMS)	J3-B	3	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC COMP T.P.	2	1-93		
+14 VDC COMP T.P.	2	2-93		
+4 VDC COMP T.P.	2	1-94		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RD	2		3-14DC	

GSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+3 VDC (CMPTR SIMULATOR)	6		2-78		
+13 VDC STBY (CMPTR SIMULATOR)	6		1-78		
+27 VDC OIA ON (RLP)	7		1-79	6-11DC	
+28 VDC G&N	7		1-71	8-11	
+28 VDC STBY BUSS A	4		1-72		
+28 VDC STBY BUSS B	4		2-72		
+28 VDC IMU BUSS A	4		1-73		
+28 VDC IMU BUSS B	4		2-73		
+28 VDC OPT BUSS A	8		1-74		
+28 VDC OPT BUSS B	8		2-74		
+28 VDC AGC BUSS A	2		1-75		
+28 VDC AGC BUSS B	2		2-75		
+30 VDC GSE PWR	7		1-70	4-11DC	
-30 VDC GSE PWR	7		2-70	3-11DC	
115V 60 CPS #A OIA ON	7		2-79		
115V 60 CPS #B OIA ON	7		1-80		
115V 60 CPS #C OIA ON	7		2-80		
400 CPS 115V Ø# (GSE)	7		2-77		
115V 400 CPS ΥΔ (GSE)	7		1-85		
400 CPS 115V (A/B)	7		1-77		
800 CPS 0° ISS REF (B/A)	4		2-81		
800 CPS 90° ISS REF (B/A)	4		2-82		
800 CPS Ø# OPT REF (B/A)	8		1-84		
800 CPS 90° OPT REF (B/A)	8		2-84		
800 CPS VAR PH REF (B/A)	4		2-83		
3200 CPS 28.5V FEEDBACK	7		1-81		
OIA 3200 CPS 30V PWR SUPPLY	7		1-87		
3200 CPS REF (B/A)	4		1-82		
3200 CPS VAR PH ISS REF (B/A)	4		1-83		
IRIG # SHIFTER OUPT (3200 CPS 0°)	4		2-85		
PIPA # SHIFTER OUPT (3200 CPS 45°)	4		1-86		
SIGNAL GEN OUTPUT	7		1-76	5-1DC	
BCD 1 DIGIT 1 FR CTR (LSD)	7			4-7DC	
IG TDA TEST OUTPUT	1		1-91		
MG TDA TEST OUTPUT	1		2-92		
OG TDA TEST OUTPUT	1		1-92		
TEST START LIGHT (COMMD)	4			7-9	
SIGNAL GEN OUTPUT (X4)	7		2-86		
BUFFERED PROBE (TPA NO.1)	4	J4-M	1-98		
BUFFERED PROBE (TPA NO.2)	7	F/P	1-99		
DIRECT PROBE (TPA NO.1)	4	J4-L	2-98		
DIRECT PROBE (TPA NO.2)	7	F/P	2-99		
CTR AUXILIARY INPUT	7	F/P			S15
X PIP +28 vdc PVR	4		1-96		
Y PIP +28 vdc PVR	4		2-95		
Z PIP +28 vdc PVR	4		1-96		

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A&B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS Ø#	1
800 CPS VAR #	2
3200 CPS Ø#	3
3200 CPS VAR #	4
800 CPS OPT Ø#	5
AUX INPUT (A SCOPE)	9 & AIP F/P

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV D

USE FOR BLOCK II ONLY

MASTER

2900023-021	2900023-031
2900023-011	2900023-011
NEXT ASSY	USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± 3 PLACE DECIMALS ± DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

FINISH

APPROVAL

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS.

DRAWN R. Bayha 6 MAY 66

CHECKED E. Schmidt 17 MAY 66

APPROVAL J. M. Wilson 17 MAY 66

CONTRACT NAS 9-497

NASA APPROVAL A. C. MERRIGER

NET APPROVAL M. Worley 5-17-66

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE	CODE IDENT NO.	2901077
E	99974	

SCALE — SHEET OF 6

2901077 REV D

2901077 REV D

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER DOC1809		4 OCT 66	EK
	B	REVISED PER DO: 61936		15 OCT 66	EK
	C	REVISION STATUS CHANGED		4 NOV 66	
	D	INITIAL RELEASE CLASS A PER TDRR 28669		7 DEC 66	

TEST POINT ADAPTER NO.1 SIGNALS

PIPA & IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
X PIPA PVR	4	1
X PIPA TORQUE CURRENT MONITOR	4	2
X PIPA SCALE FACTOR	4	3
Y PIPA PVR	4	4
Y PIPA TORQUE CURRENT MONITOR	4	5
Y PIPA SCALE FACTOR	4	6
Z PIPA PVR	4	7
Z PIPA TORQUE CURRENT MONITOR	4	8
Z PIPA SCALE FACTOR	4	9

PROBED SIGNALS	MULT BY	SIG AVAIL	HI	LO(BLK)
X PIP G/S OUTPUT	1.01	4	TB1-17(RED)	TB1-18
Y PIP G/S OUTPUT	1.01	4	TB1-15(RED)	TB1-16
Z PIP G/S OUTPUT	1.01	4	TB1-13(RED)	TB1-14
X PIP PX	8	4	TB1-19(BLU)	TB1-18
X PIP NX	8	4	TB1-22(BLU)	TB1-18
Y PIP PY	8	4	TB1-20(BLU)	TB1-16
Y PIP NY	8	4	TB1-23(BLU)	TB1-16
Z PIP PZ	8	4	TB1-21(BLU)	TB1-14
Z PIP NZ	8	4	TB1-24(BLU)	TB1-14

PROBE ROUTING (TPA NO. 1)		
1. BUFFERED PROBE	J7 HI(RED) TO XBAR 1-98 & AIP(J4-M)	J8 LO(BLK)
2. DIRECT PROBE	J5 HI(GRN) TO XBAR 2-98 & AIP(J4-L)	J6 LO(BLK)
3. PULSE PROBE	J3 HI(COAX) TO AIP(J4-E)	J4 LO(BLK)

TEST POINT ADAPTER NO.2 SIGNALS

SWITCHES		
IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
IRIG PVR	4	1
IRIG CURRENT MONITOR	4	2
IRIG SCALE FACTOR	4	3

GSE BUFFER INPUT SWITCH (OPT/ISS SWITCH)

POSITION	SIGNAL ROUTING
ISS	(1) MG CDU FINE ERROR TO TPA AMP, TO XBAR 2-28 & RSS 2-5AC
	(2) OG CDU FINE ERROR TO TPA AMP, TO XBAR 2-27 & RSS 3-5AC
OPT	(1) TRACKER X OUTPUT (TRUN) TO TPA AMP, TO XBAR 2-13 & RSS 4-8AC
	(2) TRACKER Y OUTPUT (SHAFT) TO TPA AMP, TO XBAR 1-13 & RSS 3-8AC

SERVO TEST SWITCH

MOMENTARY ON POSITION--ROUTES 5VDC TO TB5-18(GRN) AND 10VDC TO TB5-27(GRN)

TACH FEED BACK MULTIPLIER SELECT SWITCHES (SIG AVAIL CODE 5)

SIGNAL	MULT.	RSS	XBAR
SXT SH TACH FDBK (B/A)	.1 OR 1.0	1-12	2-07
SXT TR TACH FDBK (B/A)	.1 OR 1.0	2-12	2-09
SCT TR TACH FDBK (B/A)	.1 OR 1.0	5-11AC	1-05

PROBE ROUTING (TPA NO. 2)		
1. BUFFERED PROBE	J7 HI (RED) TO XBAR 1-99 &	J8 LO(BLK) AIP BUFFERED PROBE OUT
2. DIRECT PROBE	J9 HI(GRN) TO XBAR 2-99 &	J10 LO(BLK) AIP DIRECT PROBE OUT
3. PULSE PROBE	J5 HI(COAX) TO AIP (J4-F),D PULSE	J6 LO(BLK) SW POS 13, & A-B SW (POS 13) DECK A

TEST POINT ADAPTER NO.2 SIGNALS

PROBED SIGNALS	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	7	T82-43(GRN)	T82-16	1
4 VDC COMPTR TP	2	T82-27(GRN)	T82-25	1
14 VDC COMPTR TP	2	T82-26(GRN)	T82-25	1
+20 VDC	4	T82-45(GRN)	T82-49	1
-20 VDC	4	T82-46(GRN)	T82-49	1
27 VDC RLP (AT OIA ON)	7	T82-37(GRN)	T82-40	1
28 VDC G&N (AT OIA ON)	7	T82-36(GRN)	T85-22	1
+28 VDC IMU OPERATE	4	T81-22(GRN)	T85-39	2.8
+28 VDC IMU STANDBY	4	T85-26(GRN)	T85-30	1
+28 VDC COMPTR TP	2	T82-28(GRN)	T82-25	1
+28 VDC OPTICS	5	T85-45(GRN)	T85-49	1
-28 VDC TP	4	T85-19(GRN)	T85-22	1
+30 VDC GSE	7	T82-38(GRN)	T82-42	1
-30 VDC GSE	7	T82-39(GRN)	T82-42	1
+120 VDC PIPA (BUFFERED)	4	T82-14(GRN)	T82-17	2.91
TVC PITCH (SHAFT)	5	T84-29(GRN)	T84-33	1
TVC YAW (TRUN)	5	T84-28(GRN)	T84-32	1
28 V 1% 800 CPS IMU MON	4	T85-24(RED)	T85-9	10.2
28 V 5% 800 CPS IMU #A MON	4	T85-37(RED)	T85-33	10.2
28 V 5% 800 CPS IMU #B MON	4	T85-29(RED)	T85-33	10.2
800 CPS 28V 1% OPT. MON	5	T85-44(RED)	T85-48	10.2
800 CPS 28V 5% OPT. MON	5	T85-35(RED)	T85-48	10.2
3200 CPS 28V 1%	4	T85-20(RED)	T85-23	10.2
3.2 KPPS	2	T81-6 (BLU)	T81-9	2
IG COARSE ERROR TP (CDU)	4	T82-47(RED)	T82-18	1.01
MG COARSE ERROR TP (CDU)	4	T82-41(RED)	T82-18	1.01
OG COARSE ERROR TP (CDU)	4	T82-35(RED)	T82-18	1.01
IG FINE ERROR	4	T83-37(RED)	T83-34	1.01
MG FINE ERROR	4	T83-38(RED)	T83-34	1.01
OG FINE ERROR	4	T83-41(RED)	T83-34	1.01
IG TM CURRENT MON	4	T82-31(GRN)	T81-49	1
MG TM CURRENT MON	4	T82-32(GRN)	T81-49	1
OG TM CURRENT MON	4	T81-45(GRN)	T81-49	1
IG SERVO AMP INPUT TP	4	T85-32(GRN)	T85-40	1
MG SERVO AMP INPUT TP	4	T85-41(GRN)	T85-40	1
OG SERVO AMP INPUT TP	4	T85-31(GRN)	T85-40	1
IG SERVO AMP TEST INPUT	4	T82-11(RED)	T82-7	1
MG SERVO AMP TEST INPUT	4	T82-10(RED)	T82-7	1
OG SERVO AMP TEST INPUT	4	T82-4 (RED)	T82-7	1
IG DC D/A CDU OUTPOT	4	T84-36(GRN)	T84-40	1
MG DC D/A CDU OUTPUT	4	T84-35(GRN)	T84-39	1
OG DC D/A CDU OUTPUT	4	T84-34(GRN)	T84-38	1
IG PITCH CDU ATT ERR (LOADED)	4	T84-45(RED)	T84-49	1.01
MG YAW CDU ATT ERR (LOADED)	4	T84-44(RED)	T84-48	1.01
OG ROLL CDU ATT ERR (LOADED)	4	T84-43(RED)	T84-47	1.01
X PIPA G/S OUTPUT	4	T82-19(RED)	T82-22	1.01
Y PIPA G/S OUTPUT	4	T82-20(RED)	T82-23	1.01
Z PIPA G/S OUTPUT	4	T82-21(RED)	T82-24	1.01
SCT SHAFT MDA PREAMP MON	5	T83-21(RED)	T83-28	1.01
SCT SHAFT MDA TACH MON	5	T83-32(RED)	T83-28	1.01
SCT SHAFT MDA O/P MON #1	5	T83-25(RED)	T83-28	1.01
SCT TRUN MDA PREAMP MON	5	T83-20(RED)	T83-35	1.01
SCT TRUN MDA TACH MON	5	T83-39(RED)	T83-35	1.01
SCT TRUN MDA O/P MON #1	5	T83-24(RED)	T83-35	1.01
SXT SHAFT MDA PREAMP MON	5	T83-31(RED)	T83-46	1.01
SXT SHAFT MDA TACH MON	5	T83-42(RED)	T83-46	1.01
SXT SHAFT MDA O/P MON #1	5	T83-27(RED)	T83-46	1.01
SXT TRUN MDA PREAMP MON	5	T83-29(RED)	T83-40	1.01
SXT TRUN MDA TACH MON	5	T83-36(RED)	T83-40	1.01
SXT TRUN MDA O/P MON #1	5	T83-26(RED)	T83-40	1.01
TRUN FINE ERROR	5	T83-30(RED)	T83-34	1.01
SHAFT FINE ERROR	5	T83-33(RED)	T83-34	1.01
TRACKER X OUTPUT (TRUN)	5	T83-43(RED)	T83-47	1.01
TRACKER Y OUTPUT (SHAFT)	5	T83-44(RED)	T83-48	1.01
BLOWER SIGNAL (TELE)	4	T84-20(RED)	T85-33	1
CONTROL HEATER SIGNAL (TELE)	4	T84-21(GRN)	T85-22	1
CGC TEMP MON	2	T85-14(GRN)	T85-15	1
IRIG TEMP (FROM SIG. COND)	2	T85-16(GRN)	T85-17	1
PIPA CAL MOD TEMP	4	T81-31(GRN)	T81-27	1
PSA TEMP	7	T85-12(GRN)	T85-13	1
IG AC D/A ERROR	1	T81-24(RED)	T81-28	1.01
MG AC D/A ERROR	1	T81-21(RED)	T81-25	1.01
OG AC D/A ERROR	1	T81-19(RED)	T81-23	1.01
CDU TRUN FINE ERROR (B/A OUT)	5	T83-22(RED)	T83-34	1.01
CDU SHAFT FINE ERROR (B/A OUT)	5	T83-23(RED)	T83-34	1.01
SERVO TEST 5 VDC	4	T85-18(GRN)	TB2-7	1
SERVO TEST 10 VDC	4	T85-27(GRN)	TB2-7	1
SERVO TEST 5VDC (MONITOR)	4	T85-10 (GRN)	TB2-7	1
SERVO TEST 10VDC (MONITOR)	4	T85-11 (GRN)	TB2-7	1

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
INTERFACE LOAD TEST	
MASTER ALARM ANNUNCIATOR	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
SCS LOAD TEST	5
DSKY INTERFACE TEST	6
ACE BIAS NO.1	7
ACE BIAS NO.2	8
NOT USED	9-11
FAILURE IND TEST	
IG CDU LIMIT CYCLE FAIL COMMD	1
MG CDU LIMIT CYCLE FAIL COMMD	2
OG CDU LIMIT CYCLE FAIL COMMD	3
IG 16X CDU FAIL COMMD	4
MG 16X CDU FAIL COMMD	5
OG 16X CDU FAIL COMMD	6
RR/OPTICS 16X SHAFT CDU FAIL COMMD	7
RR/OPTICS 16X TRUN CDU FAIL COMMD	8
RR/OPTICS SHAFT CDU LIMIT CYCLE FAIL COMMD	9
RR/OPTICS TRUN CDU LIMIT CYCLE FAIL COMMD	10
+14 VDC ISS FAIL COMMD	11
+14 VDC RR/OPTICS FAIL COMMD	12
NOT USED	13-23
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
G&N POWER HIGH	4
G&N POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11
CONTINUITY TEST	
NOT USED	1
SPACECRAFT LAMP TEST	2
PITCH UP	3
PITCH DOWN	4
YAW RIGHT	5
YAW LEFT	6
ROLL RIGHT	7
ROLL LEFT	8
UP TELEMETRY	9
MASTER ALARM RESET	10
NOT USED	11

SIGNAL CONDITIONER MONITOR TELEMETRY SIGNALS

LEVEL 1	POS
+28 VDC CGC OPERATE	1
+28 VDC IMU STANDBY	2
+120 VDC PIPA SUPPLY LEVEL	3
+2.5 VDC TM BIAS	4
Z PIPA S6 OUTPUT QUAD	5
3200 CPS 28V SUPPLY	6
Y PIPA S6 OUTPUT QUAD	7
X PIPA S6 OUTPUT QUAD	8
X PIPA +28VDC PVR INPUT	9
Y PIPA +28VDC PVR INPUT	10
Z PIPA +28VDC PVR INPUT	11
NOT USED	12
800 CPS 28V 1% IMU	13
YAW ATT ERR-CDU DAC OUT	14
PITCH ATT ERR-CDU DAC OUT	15
ROLL ATT ERR-CDU DAC OUT	16
Z PIPA S6 OUTPUT IN PHASE	17
Y PIPA S6 OUTPUT IN PHASE	18
X PIPA S6 OUTPUT IN PHASE	19
IG 1X RSVR OUTPUT COS	20
MG 1X RSVR OUTPUT COS	21
OG 1X RSVR OUTPUT COS	22
IG 1X RSVR OUTPUT SIN	23
MG 1X RSVR OUTPUT SIN	24
OG 1X RSVR OUTPUT SIN	25
TRUN CDU DAC OUTPUT	26
SHAFT CDU DAC OUTPUT	27
800 CPS 28V 1% OPTICS (FQ)	28
SXT SHAFT TACH OUTPUT (FQ)	29
SXT TRUN TACH OUTPUT (FQ)	30
NOT USED	31
IG TM CURRENT	32
MG TM CURRENT	33
OG TM CURRENT	34
NOT USED	35
NOT USED	36
IGA SERVO ERROR IN PHASE	37
MGA SERVO ERROR IN PHASE	38
OGA SERVO ERROR IN PHASE	39
NOT USED	40
NOT USED	41
NOT USED	42
NOT USED	43
NOT USED	44
NOT USED	45
SHAFT CDU FINE ERROR (FQ)	46
TRUN CDU FINE ERROR (FQ)	47
SCT SHAFT TACH OUTPUT (FQ)	48
SCT TRUN TACH OUTPUT (FQ)	49
IMU HEATER CURRENT (FQ)	50
IMU BLOWER CURRENT (FQ)	51
NOT USED	52

LEVEL 2	POS
PIPA TEMPERATURE	1
IRIG TEMPERATURE	2
+28 VDC OPTICS OPERATE	3
+28 VDC CGC WARNING	4
NOT USED	5
NOT USED	6
NOT USED	7

SIGNAL AVAILABILITY CODE		
	1	ISS ONLY
	2	G/N ONLY
	3	OSS ONLY
	4	ISS & G/N
	5	OSS & G/N
	6	ISS & OSS
	7	ISS/OSS/G/N

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

TPA NO.1 IS THE PTA/PEA-TPA ; TPA NO.2 PSA-TPA

2901077 REV D

USE FOR BLOCK II ONLY

MASTER

2900023-021	2900023-011	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS.
2900023-011	2900023-011	2 PLACE ±	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
NEXT ASSY	USED ON	3 PLACE DECIMALS ±	DRAWN R.F. Bailey 6 APR 66
APPLICATION		ANGLES ±	CHECKED J.H. Stiles 12 APR 66
		DO NOT SCALE THIS DRAWING	APPROVED J. Wilhelm 6/15/66
		MATERIAL	CONTRACT NAS 9-497
		FINISH	A.C. MILWAUKEE
		APPROVAL	NASA APPROVAL
			NXT APPROVAL W.C. Mosley 5 JUL 66

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 2 OF 6

T10108

REVISIONS					
ZONE	LTR	DESCRIPTION	ENGR. ORD.	DATE	APPROVED
	A	REVISED PER DO.8 8-09		8/7/66	
	B	REVISION STATUS CHANGED	DR 4935	15 APR 66	
	C	REVISION STATUS CHANGED		19 MAY 66	
	D	INITIAL RELEASE CLASS A PER TDRR 26669		2 AUG 66	

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+4 VDC CDU TEST POINT	4		1-18		
+14 VDC ISS CDU	1		1-67		
28 VDC G&N (FROM IMU)	4		1-00		
+28 VDC IMU OPERATE (I/F ONLY)	4		2-69		
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU OPERATE	4		2-20	4-4DC	
-28 VDC (TPA)	4	1.1	1-24	3-4DC	
120 VDC PIP	4		2-59		
400 CPS 60-70V(MON)	4		2-50		S7
800 CPS 28V 1% IMU	4		1-21	6-6AC	S1
400 CPS 5V(MON)	4		2-65		
800 CPS 28V 5% IMU WHEEL ΔA	1		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL ΔB	1		2-22		
3200 CPS 28V 1%	4		1-60		
3200 CPS 28V (TO RSS BUFF AMP)	4		1-23	5-7AC	S5
BLOWER CURRENT SENSOR	1		1-66	4-10AC	
IMU HEATER CURRENT	1		2-58	3-1DC	
ACCEL TEMP	4		2-55	3-3DC	
IRIG TEMP	4		1-56	4-3DC	
X PIPA G/S OUTPUT(B/A I V/V)	4		2-51	6-1AC	
Y PIPA G/S OUTPUT(B/A I V/V)	4		1-52	5-1AC	
Z PIPA G/S OUTPUT(B/A I V/V)	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	4			8-9	
X GYRO ERROR(B/A I V/V)	1		2-33	2-1	
Z GYRO ERROR(B/A I V/V)	1		2-34	3-1AC	
IMU IG AND Y GYRO ERROR (B/A I V/V)	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IMU MG ERROR(B/A I V/V)	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
IMU OG ERROR(B/A IV/V)	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
IG CDU FINE ERROR (B/A IV/V)	4	1.01	2-29	1-9	
MG CDU FINE ERROR (B/A IV/V)	4	1.01	2-28	2-5	
OG CDU FINE ERROR (B/A IV/V)	4	1.01	2-27	3-5AC	
SIN AIG 16X (B/A I V/V)	1		1-50	6-4AC	
SIN AIG 16X (B/A 5.6 V/V)	1	.179	1-39	5-6AC	
COS AIG 16X (B/A I V/V)	1		2-49		
COS AIG 16X (B/A 5.6 V/V)	1	.179	2-39	4-6AC	
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (B/A I V/V)	1		1-49	5-4AC	
SIN AMG 16X (B/A 5.6 V/V)	1	.179	1-40	1-6	
COS AMG 16X (B/A I V/V)	1		2-48		
COS AMG 16X (B/A 5.6 V/V)	1	.179	2-40	2-6	
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (B/A I V/V)	1		1-48	4-4AC	
SIN AOG 16X (B/A 5.6 V/V)	1	.179	1-41	3-6AC	
COS AOG 16X (B/A I V/V)	1		2-47		
COS AOG 16X (B/A 5.6 V/V)	1	.179	1-29	1-7	
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
AUX HEATER VOLTAGE	4		2-25		
AUX HEATER CURRENT	4		1-58		
TEMP OUT OF LIMITS	2		1-68		
TEMP WITHIN LIMITS	1				5-3DC
SIG CONDITIONER (GDB STEPPER)	2		2-71		
X PIP 28 VDC PWR	4		1-95		
Y PIP 28 VDC PWR	4		2-95		
Z PIP 28 VDC PWR	4		1-96		

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

ISS PULSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU △⊖	1	J2-G	P4	4 & 18	
-IG CDU △⊖	1	J2-M	P4	19	4
+IG CDU SET(CMS)	1		P7	7	18
-IG CDU SET(CMS)	1		P7		7 & 19
+MG CDU △⊖	1	J2-J	P5	5 & 20	
-MG CDU △⊖	1	J2-K	P5	21	5
+MG CDU SET(CMS)	1		P8	8	20
-MG CDU SET(CMS)	1		P8		8 & 21
+OG CDU △⊖	1	J2-L	P6	6 & 22	
-OG CDU △⊖	1	J2-M	P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
X PIPA +△V	1		P10	10	
X PIPA -△V	1		P10		10
Y PIPA +△V	1		P11	11	
Y PIPA -△V	1		P11		11
Z PIPA +△V	1		P12	12	
Z PIPA -△V	1		P12		12
PULSE PROBE (TPA 2)	4	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	4		P14		
+ AUXILIARY INPUT JACK	4		S15	15	
- AUXILIARY INPUT JACK	4		S15		15
TORQUE SET(GCP)	1		P22		
B SCOPE INPUT CH 1	4	J1-A			
B SCOPE INPUT CH 1	4	J1-C			
A SCOPE INPUT	4	J1-E			
DELAY LINE IN	4	J1-K			
DELAY LINE OUT	4	J1-M			
IG +△θ ABORT	4	J2-A			
IG -△θ ABORT	4	J2-B			
MG +△θ ABORT	4	J2-C			
MG -△θ ABORT	4	J2-D			
OG +△θ ABORT	4	J2-E			
OG -△θ ABORT	4	J2-F			
+AZ/SHAFT CDU △⊖	1	J3-A			
-AZ/SHAFT CDU △⊖	1	J3-B			
+EL/TRUN CDU △⊖	1	J3-C			
-EL/TRUN CDU △⊖	1	J3-D			
PX VELOCITY PULSE	1	J3-G			
NX VELOCITY PULSE	1	J3-H			
PY VELOCITY PULSE	1	J3-J			
NY VELOCITY PULSE	1	J3-K			
PZ VELOCITY PULSE	1	J3-L			
NZ VELOCITY PULSE	1	J3-M			
CDU CLOCK (51.2 KPPS)	4	J4-A			
800 PPS 0°	1	J4-B			
3.2 KPPS 0°	1	J4-C			
PULSE PROBE (FROM TPA NO.1)	4	J4-E			
CDU ZERO ABORT	4	J4-S			

OPTICS SIGNALS

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+14 VDC OPTICS/RR CDU		1	2-68		
28 VDC OPTICS HTR PWR		2	2-67		
RETICLE LAMP VOLTAGE		2	1-69		
CDU SHAFT FINE ERROR(B/A I V/V)	LOI	4	2-05	6-11AC	
CDU TRUN FINE ERROR(B/A I V/V)	LOI	4	2-06	5-12AC	
+X OPT CDU SET (CMS)		1			P-18
-X OPT CDU SET (CMS)		1			P-19
+Y OPT CDU SET (CMS)		1			P-20
-Y OPT CDU SET (CMS)		1			P-21

OPTICS PULSE SIGNALS

SIGNAL	SIG AVAIL	CTR D	CTR A	CTR B
+X OPT (SHAFT)(CDU △⊖)	1	P-16	16	
-X OPT (SHAFT)(CDU △⊖)	1	P-16		16
+Y OPT (TRUN)(CDU △⊖)	1	P-17	17	
-Y OPT (TRUN)(CDU △⊖)	1	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC COMP T.P.	2	1-93		
+14 VDC COMP T.P.	2	2-93		
+4 VDC COMP T.P.	2	1-94		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RE	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RZ	2		3-14DC	

GSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+3 VDC (COMPTR SIMULATOR)	1		2-78		
+13 VDC STBY (COMPTR SIMULATOR)	1		1-78		
+27 VDC O1A GN (RLP)	4		1-79	6-11DC	
+28 VDC G&N	4		1-71	8-11	
+28 VDC STBY BUSS A	4		1-72		
+28 VDC IMU BUSS A	4		1-73		
+28 VDC AGC BUSS A	2		1-75		
+30 VDC GSE PWR	4		1-70	4-11DC	
-30 VDC GSE PWR	4		2-70	3-11DC	
115V 60 CPS ΔA O1A ON	4		2-79		
115V 60 CPS ΔB O1A ON	4		1-80		
115V 60 CPS ΔC O1A ON	4		2-80		
400 CPS 115V ΔB (GSE)	4		2-77		
115V 400 CPS ΔB (GSE)	4		1-85		
400 CPS 115V (A/B)	4		1-77		
800 CPS 0° ISS REF (B/A)	4		2-81		
800 CPS 90° ISS REF (B/A)	4		2-82		
800 CPS VAR PH REF (B/A)	4		2-83		
3200 CPS 28.5V FDBK	4		1-81		
O1A 3200 CPS 30V PWR SUPPLY	4		1-87		
3200 CPS VAR PH ISS REF (B/A)	4		1-83		
3200 CPS REF (BUFF)(B/A)	4		1-82		
IRIG Δ SHIFTER OUPT (3200 CPS 0°)	4		2-85		
PIPA Δ SHIFTER OUPT (3200 CPS 45°)	4		1-86		
SIGNAL GEN OUTPUT	4		1-76	5-1 DC	
BCD 1 DIGIT 1 FR CTR (LSB)	4			4-7 DC	
IG TDA TEST OUTPUT	1		1-91		
MG TDA TEST OUTPUT	1		2-92		
OG TDA TEST OUTPUT	1		1-92		
TEST START LIGHT(COMMD)	4	-		7-9	
SIGNAL GEN OUTPUT (X4)	4		2-86		
BOFFERED PROBE (TPA NO.1)	4	J4-M	1-94		
BUFFERED PROBE (TPA NO.2)	4	F/P	1-99		
DIRECT PROBE (TPA NO.1)	4	J4-L	2-98		
DIRECT PROBE (TPA NO.2)	4	F/P	2-99		
CTR AUXILIARY INPUT	7	F/P			S15

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A & B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS Δθ	1
800 CPS VAR Δ	2
3200 CPS Δθ	3
3200 CPS VAR Δ	4
800 CPS OPT Δθ	5
AUX INPUT(A SCOPE)	9 & AIP F/P

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV D

USE FOR LEM ONLY

MASTER

2900023-021	2900028-021
2900028-011	2900028-011
NEXT ASSY	USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± — 3 PLACE DECIMALS ± — DECIMALS ANGLES ± — DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN R. Parker 6 MAY 66

CHKD D. Ellis 17 MAY 66

APPROVAL J. McWatters 17 MAY 66

CONTRACT NAS 9-497

NASA APPROVAL A. C. MESSNER

QUAL APPROVAL D.G. Worley 17 MAY 66

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 9 OF 9

2901077

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D061809		17 MAY 66	
	B	REVISED PER D.O. 61936		17 MAY 66	
	C	REVISED		19 APRIL 66	
	D	INITIAL RELEASE CLASS A PER TDRR 2664		2 MAY 66	

TEST POINT ADAPTER NO. 1 SIGNALS

PIPA & IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
X PIPA PVR	4	1
X PIPA TORQUE CURRENT MONITOR	4	2
X PIPA SCALE FACTOR	4	3
Y PIPA PVR	4	4
Y PIPA TORQUE CURRENT MONITOR	4	5
Y PIPA SCALE FACTOR	4	6
Z PIPA PVR	4	7
Z PIPA TORQUE CURRENT MONITOR	4	8
Z PIPA SCALE FACTOR	4	9
IRIG PVR	4	10
IRIG TORQUE CURRENT MONITOR	4	11
IRIG SCALE FACTOR	4	12

PROBED SIGNALS	MULT BY	SIG AVAIL	HI	LO(BLK)
+20 VDC		4	TB1-9 (GRN)	TB1-10
-20 VDC		4	TB1-11(GRN)	TB1-10
X PIP G/S OUTPUT	1.01	4	TB1-17(RED)	TB1-18
Y PIP G/S OUTPUT	1.01	4	TB1-15(RED)	TB1-16
Z PIP G/S OUTPUT	1.01	4	TB1-13(RED)	TB1-14
X PIP PX	8	4	TB1-19(BLU)	TB1-18
X PIP NX	8	4	TB1-22(BLU)	TB1-18
Y PIP PY	8	4	TB1-20(BLU)	TB1-16
Y PIP NY	8	4	TB1-23(BLU)	TB1-16
Z PIP PZ	8	4	TB1-21(BLU)	TB1-14
Z PIP NZ	8	4	TB1-24(BLU)	TB1-14

PROBE ROUTING (TPA NO.1)		
1. BUFFERED PROBE	J7 HI(RED) TO X8AR 1-98 & AIP(J4-M)	J8 LO(BLK)
2. DIRECT PROBE	J5 HI(GRN) TO X8AR 2-98 & AIP(J4-L)	J6 LO(BLK)
3. PULSE PROBE	J3 HI(COAX) TO AIP(J4-E)	J4 LO(BLK)

TEST POINT ADAPTER NO.2 SIGNALS

SWITCHES

IRIG S/F MONITOR - USE FOR BLK II ONLY

OPT/ISS SWITCH

POSITION	SIGNAL ROUTING
ISS	(1) MG CDU FINE ERROR TO TPA AMP, TO XBAR 2-26, & RSS 2-5
	(2) OG CDU FINE ERROR TO TPA AMP, TO XBAR 2-27, & RSS 3-5 AC
OPT	NOT USED

SERVO TEST SWITCH

MOMENTARY ON POSITION--ROUTES 5 VDC TO TB5-18(GRN) AND 10 VDC TO TB5-27(GRN)

PROBE ROUTING (TPA NO.2)		
1. BUFFERED PROBE	J7 HI(RED) TO XBAR 1-99 & AIP BUFFERED PROBE OUT	J8 LO(BLK)
2. DIRECT PROBE	J9 HI(GRN) TO XBAR 2-99 & AIP DIRECT PROBE OUT	J10 LO(BLK)
3. PULSE PROBE	J5 HI(COAX) TO AIP(J4-F), D PULSE	J6 LO(BLK) SW POS 13, & A-B SW (POS 13) DECK A

PROBED SIGNALS (WITHOUT SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	4	TB2-43(GRN)	TB2-18	1
4 VDC CMPTR TP	2	TB2-27(GRN)	TB2-25	1
14 VDC COMPTR TP	2	TB2-26(GRN)	TB2-25	1
27 VDC RLP DIA ON	4	TB2-37(GRN)	TB2-40	1
+28 VDC COMPTR TP	2	TB2-28(GRN)	TB2-25	1
28 VDC GAN	4	TB2-36(GRN)	TB5-22	1
+28 VDC IMU OPERATE	4	TB1-22(GRN)	TB5-22	1
+28 VDC IMU STANDBY	4	TB1-29(GRN)	TB5-22	1
-28 VDC TP	4	TB5-19(GRN)	TB5-22	1
+30 VDC GSE	4	TB2-38(GRN)	TB2-42	1
-30 VDC GSE	4	TB2-39(GRN)	TB2-42	1

PROBED SIGNALS (WITHOUT SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
800 CPS 28V 5% #A TP	2	TB5-37(RED)	TB5-33	10.2
800 CPS 28V 5% #B TP	2	TB5-29(RED)	TB5-33	10.2
800 CPS P/S TEMP	4	TB5-12(GRN)	TB5-13	1
3.2 KPPS	2	TB1-6 (BLU)	TB1-9	2
IG COARSE ERR TP (CDU)	4	TB2-47(RED)	TB2-18	1.01
MG COARSE ERR TP (CDU)	4	TB2-41(RED)	TB2-18	1.01
OG COARSE ERR TP (CDU)	4	TB2-35(RED)	TB2-18	1.01
IG FINE ERR TP (CDU)	4	TB3-37(RED)	TB3-34	1.01
MG FINE ERR TP (CDU)	4	TB3-38(RED)	TB3-34	1.01
OG FINE ERR TP (CDU)	4	TB3-41(RED)	TB3-34	1.01
IG TM CURRENT TP	4	TB2-31(GRN)	TB1-49	1
MG TM CURRENT TP	4	TB2-32(GRN)	TB1-49	1
OG TM CURRENT TP	4	TB1-45(GRN)	TB1-49	1
IG SERVO AMP TEST INPUT	4	TB2-11(RED)	TB2-7	1
MG SERVO AMP TEST INPUT	4	TB2-10(RED)	TB2-7	1
OG SERVO AMP TEST INPUT	4	TB2-4 (RED)	TB2-7	1
IG AC D/A ERROR TO FDAI	2	TB1-24(RED)	TB1-28	1.01
MG AC D/A ERROR TO FDAI	2	TB1-21(RED)	TB1-25	1.01
OG AC D/A ERROR TO FDAI	2	TB1-19(RED)	TB1-23	1.01
IG AC D/A ERR TO FDAI (LOADED)	4	TB4-45(RED)	TB4-48	1.01
MG AC D/A ERR TO FDAI (LOADED)	4	TB4-44(RED)	TB4-48	1.01
OG AC D/A ERR TO FDAI (LOADED)	4	TB4-43(RED)	TB4-47	1.01
AZ/SHAFT FINE ERROR (BUFF)	4	TB3-23 RED	TB3-34	1.01
EL/TRUN FINE ERROR(BUFF)	4	TB3-22 RED	TB3-34	1.01
SIN AIG 1X	2	TB1-39(RED)	TB1-32	1.01
COS AIG 1X	2	TB1-35(RED)	TB1-34	1.01
SIN AMG 1X	2	TB1-37(RED)	TB1-36	1.01
COS AMG 1X	2	TB1-39(RED)	TB1-38	1.01
SIN AOG 1X	2	TB1-41(RED)	TB1-40	1.01
COS AOG 1X	2	TB1-46(RED)	TB1-42	1.01
AZ/SHAFT COARSE ERR TP (CDU)	4	TB2-34(RED)	TB2-18	1.01
AZ/SHAFT FINE ERR (CDU)	4	TB3-33(RED)	TB3-34	1.01
AZ/SHAFT SIN 16X	4	TB1-43(RED)	TB1-47	1.01
AZ/SHAFT COS 16X	4	TB1-44(RED)	TB1-48	1.01
AZ/SH AC D/A TO FDAI (LOADED)	4	TB4-42(RED)	TB4-46	1.01
AZ/SHAFT SIN 1X	4	TB4-30(RED)	TB4-31	1.01
AZ/SHAFT COS 1X	4	TB4-22(RED)	TB4-23	1.01
EL/TRUN COARSE ERR TP (CDU)	4	TB2-33(RED)	TB2-18	1.01
EL/TRUN FINE ERR (CDU)	4	TB3-30(RED)	TB3-34	1.01
EL/TRUN SIN 16X	4	TB2-12(RED)	TB2-15	1.01
EL/TRUN COS 16X	4	TB2-13(RED)	TB2-16	1.01
EL/TR AC D/A TO FDAI (LOADED)	4	TB4-37(RED)	TB4-41	1.01
EL/TRUN SIN 1X	4	TB4-26(RED)	TB4-27	1.01
EL/TRUN COS 1X	4	TB4-24(RED)	TB4-25	1.01
TEMP MON 1	2	TB5-14(GRN)	TB5-15	1
PIPA CAL MOD TEMP	4	TB1-31(GRN)	TB1-27	1
HEATER TELEMETRY DISCRETE	2	TB4-21(GRN)	TB5-22	1
BLOWER TELE DISCRETE	2	TB4-20(RED)	TB5-33	1
FORWARD VELOCITY	4	TB4-29(GRN)	TB4-33	1
LATERAL VELOCITY	4	TB4-28(GRN)	TB4-32	1
UPLINK 0	2	TB1-12(BLU)	TB1-15	2
UPLINK 1	2	TB1-13(BLU)	TB1-17	2
SERVO TEST 5 VDC	4	TB5-18(GRN)	TB2-7	1
SERVO TEST 10 VDC	4	TB5-27(GRN)	TB2-7	1
SERVO TEST 5 VDC (MONITOR)	4	TB5-10(GRN)	TB2-7	1
SERVO TEST 10 VDC (MONITOR)	4	TB5-11(GRN)	TB2-7	1

PROBED SIGNALS (WITH SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	2	TB2-43(GRN)	TB2-18	1
4 VDC COMPTR TP	2	TB2-27(GRN)	TB2-25	1
14 VDC COMPTR TP	2	TB2-26(GRN)	TB2-25	1
+28 VDC COMPTR TP	2	TB2-28(GRN)	TB2-25	1
+28 VDC IMU OPERATE	2	TB1-22(GRN)	TB5-22	2,8
+28 VDC IMU STANDBY	2	TB1-29(GRN)	TB5-22	1
-28 VDC VDC TP	2	TB5-19(GRN)	TB5-22	1
800 CPS 28V 5% #A TP	2	TB5-37(RED)	TB5-33	10.2
800 CPS 28V 5% #B TP	2	TB5-29(RED)	TB5-33	10.2
800 CPS P/S TEMP (PSA)	2	TB5-12(GRN)	TB5-13	1
3200 CPS 1% 28V MON	2	TB5-20(RED)	TB5-23	10.2
3.2 KPPS	2	TB1-6 (BLU)	TB1-9	2
IG COARSE ERROR TP (CDU)	2	TB2-47(RED)	TB2-18	1.01
MG COARSE ERROR TP (CDU)	2	TB2-41(RED)	TB2-18	1.01
OG COARSE ERROR TP (CDU)	2	TB2-35(RED)	TB2-18	1.01
IG FINE ERROR TP (CDU)	2	TB3-37(RED)	TB3-34	1.01
MG FINE ERROR TP (CDU)	2	TB3-38(RED)	TB3-34	1.01
OG FINE ERROR TP (CDU)	2	TB3-41(RED)	TB3-34	1.01
IG TM CURRENT TP	2	TB2-31(GRN)	TB1-49	1
MG TM CURRENT TP	2	TB2-32(GRN)	TB1-49	1
OG TM CURRENT TP	2	TB1-45(GRN)	TB1-49	1
IG SERVO AMP TEST INPUT	2	TB2-11(RED)	TB2-7	1
MG SERVO AMP TEST INPUT	2	TB2-10(RED)	TB2-7	1
OG SERVO AMP TEST INPUT	2	TB2-4 (RED)	TB2-7	1
X PIPA G/S OUTPUT	2	TB2-19(RED)	TB2-22	1.01

PROBED SIGNALS (WITH SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
Y PIPA G/S OUTPUT	2	TB2-20(RED)	TB2-23	1.01
Z PIPA G/S OUTPUT	2	TB2-21(RED)	TB2-24	1.01
AZ/SHAFT COARSE ERROR TP (CDU)	2	TB2-34(RED)	TB2-18	1.01
AZ/SHAFT FINE ERROR TP (CDU)	2	TB3-33(RED)	TB3-34	1.01
EL/TRUN COARSE ERROR TP (CDU)	2	TB2-33(RED)	TB2-18	1.01
EL/TRUN FINE ERROR TP (CDU)	2	TB3-30(RED)	TB3-34	1.01
PIPA CAL MOD TEMP	2	TB1-31(GRN)	TB1-27	1
TEMP MON 1 (COMP)	2	TB5-14(GRN)	TB5-15	1
IRIG TEMP	2	TB5-16(GRN)	TB5-17	1
EL/TRUN FINE ERR TP(CDU)(B/A)	2	TB3-22(RED)	TB3-34	1.01
AZ/SH FINE ERR TP(CDU)(B/A)	2	TB3-23(RED)	TB3-34	1.01
IG SERVO ERROR TP	2	TB5-32(GRN)	TB5-40	1.01
MG SERVO ERROR TP	2	TB5-41(GRN)	TB5-40	1.01
OG SERVO ERROR TP	2	TB5-31(GRN)	TB5-40	1.01
HEATER TELEMETRY DISCRETE	4	TB4-21(GRN)	TB5-22	1
BLOWER TELEMETRY DISCRETE	4	TB4-20(RED)	TB5-33	1
UPLINK 0	2	TB1-12(BLU)	TB1-15	2
UPLINK 1	2	TB1-13(BLU)	TB1-17	2
+30 VDC GSE	2	TB2-38(GRN)	TB2-42	1
-30 VDC GSE	2	TB2-39(GRN)	TB2-42	1
27 VDC RLP DIA ON	2	TB2-37(GRN)	TB2-40	1
28 VDC G/N	2	TB2-36(GRN)	TB5-22	1
SERVO TEST 5 VDC	2	TB5-18(GRN)	TB2-7	1
SERVO TEST 10 VDC	2	TB5-27(GRN)	TB2-7	1
SERVO TEST 5VDC (MONITOR)	2	TB5-10(GRN)	TB2-7	1
SERVO TEST 10VDC (MONITOR)	2	TB5-11(GRN)	TB2-7	1

TEST SELECTOR PROGRAMMED TESTS

	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
INTERFACE LOAD TEST	
NOT USED	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
SCS LOAD TEST	5
DSKY INTERFACE TEST	6
CONTROL NO. 1	7
CONTROL NO. 2	8
NOT USED	9-11
FAILURE IND TEST	
IG CDU LIMIT CYCLE FAIL COMMD	1
MG CDU LIMIT CYCLE FAIL COMMD	2
OG CDU LIMIT CYCLE FAIL COMMD	3
IG 16X CDU FAIL COMMD	4
MG 16X CDU FAIL COMMD	5
OG 16X CDU FAIL COMMD	6
RR/OPTICS 16X SHAFT CDU FAIL COMMD	7
RR/OPTICS 16X TRUN CDU FAIL COMMD	8
RR/OPTICS SHAFT CDU LIMIT CYCLE FAIL COMMD	9
RR/OPTICS TRUN CDU LIMIT CYCLE FAIL COMMD	10
+14 VDC ISS FAIL COMMD	11
+14 VDC RR/OPTICS FAIL COMMD	12
NOT USED	13-23
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
AGE POWER HIGH	4
AGE POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11

SIGNAL CONDITIONER MONITOR TELEMETRY SIGNALS

LEVEL 1	
LSC OPERATE	1
IMU STANDBY	2
120 VDC REF	3
PCM 2.5 VDC BIAS	4
Z PIPA S/G OUTPUT QUAD	5
3200 CPS 1%	6
Y PIPA S/G OUTPUT QUAD	7
X PIPA S/G OUTPUT QUAD	8
X PIPA PWR	9
Y PIPA PWR	10
Z PIPA PWR	11
NOT USED	12
800 CPS 1%	13
YAW ATT ERROR	14
PITCH ATT ERROR	15
ROLL ATT ERROR	16
Z PIPA S/G OUT	17
Y PIPA S/G OUT	18
X PIPA S/G OUT	19
IG 1X RSVR COS	20
MG 1X RSVR COS	21
OG 1X RSVR COS	22
IG 1X RSVR SIN	23
MG 1X RSVR SIN	24
OG 1X RSVR SIN	25
NOT USED	26
NOT USED	27
TRUN 1X RSVR SIN	28
SHAFT 1X RSVR SIN	29
SHAFT 1X RSVR COS	30
TRUN 1X RSVR COS	31
IG TM CURRENT	32
MG TM CURRENT	33
OG TM CURRENT	34
CAL MOD TEMP	35
NOT USED	36
IG SERVO ERROR	37
MG SERVO ERROR	38
OG SERVO ERROR	39
IG FINE ERROR	40
MG FINE ERROR	41
OG FINE ERROR	42
NOT USED	43
NOT USED	44
R AND D 2.5 VDC BIAS	45
SHAFT FINE ERROR	46
TRUN FINE ERROR	47
NOT USED	48
NOT USED	49
IMU HEATER CURRENT	50
IMU BLOWER CURRENT	51
NOT USED	52

LEVEL 2	
PIPA TEMP	1
IRIG TEMP	2
OG IX RSVR SIN +/-10°	3
IG IX RSVR SIN +/-10°	4
MG IX RSVR SIN +/-10°	5
NOT USED	6
NOT USED	7

LORS SPECIAL MONITORING

SIGNAL	MONITOR POINT
MONITOR NO.1 *	XBAR 114, REC 1-8 OSS REF(HAC), AND RSS 1-10 ISS REF
MONITOR NO.2 *	XBAR 199
MONITOR NO.3 *	XBAR 298
MONITOR NO.4 *	XBAR 198
MONITOR NO.5 *	XBAR 299
MONITOR NO.6 *	AIP COAX J4-E
800 CPS 28V 1%(HAC)	XBAR 101, RSS 6-13AC

*SIGNALS SELECTED BY ROTARY SWITCHES ON BJP IN TCC(HAC).

SIGNAL AVAILABILITY CODE		
	1	ISS ONLY
	2	G/N ONLY
	3	OSS ONLY
	4	ISS & G/N
	5	OSS & G/N
	6	ISS & OSS
	7	ISS/OSS/G/N

TPA NO.1 IS THE PTA/PEA-TPA; TPA NO. 2 IS THE PSA-TPA.
WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV D

USE FOR LEM ONLY

MASTER

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± 3 PLACE DECIMALS ANGLES ± — ± — ± —
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL
NEXT ASSY USED ON
APPLICATION
2900083-021 2900083-041 2900083-061
2900083-081 2900083-101 2900083-121
AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN D. Pugsley 6 MAY 66
CHECKED 10 MAY 66
APPROVAL 10 MAY 66
CONTRACT NAS 9-497
A.Q. NIEDERER
NASA APPROVAL
MFT APPROVAL
MANNED SPACECRAFT CENTER HOUSTON, TEXAS
GSE SIGNAL SELECTION LIST
SIZE E | CODE IDENT NO. 99974 | 2901077
SCALE — | SHEET 4 OF 6

2901077 D | 2901077 B | 2901077 A

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER DO61807		27 APR 66	R.E.
	B	REVISION STATUS CHANGED	DO 61936	5 APR 66	R.E.
	C	REVISION STATUS CHANGED		28 APRIL 66	
	D	INITIAL RELEASE CLASS A PER IDRR 24889		2 MAY 66	

PSA TEST ADPT SIGNALS

SIGNAL	PROBE HI	PROBE LO	MULT BY
TRAY 1			
COMP 3200 PPS IN ∯ SYNC (SET)	17	26	1
COMP 3200 PPS OUT OF ∯ SYNC (RESET)	18	26	1
3200 CPS DRIVE MONITOR	11	26	10.2
2V 1% 3200 CPS MONITOR	34	26	10.2
3200 CPS 20V (A)	3	4	1
3200 CPS 20V (B)	12	4	1
IG ERROR SIG MONITOR	7	14	10.2
MG ERROR SIG MONITOR	6	14	10.2
OG ERROR SIG MONITOR	13	14	10.2
IG CDU 1X RSVR ERROR	20	21	4
MG CDU 1X RSVR ERROR	27	28	4
OG CDU 1X RSVR ERROR	35	36	4
IG TDA OUPT	2	1	1
MG TDA OUPT	9	1	1
OG TDA OUPT	10	1	1
IG SVO AMP INPUT (TEST)	23	1	1
MG SVO AMP INPUT (TEST)	24	1	1
OG SVO AMP INPUT (TEST)	31	1	1
-28V DC	33	32	1.1
TRAY 2			
120 VDC MONITOR (IRIG)	13	1	3.0
12 VDC MONITOR (IRIG)	14	1	1
COMP 800 PPS IN ∯ SYNC (SET)	2	1	1
COMP 800 PPS OUT OF ∯ SYNC (RESET)	11	1	1
800 CPS MOTOR DRIVE	9	1	2
800 CPS 1% MONITOR	10	1	10.2
800 CPS 5% ∠-90° MONITOR	17	1	10.2
800 CPS 28V IMU WHEELS ∯A 5%	18	1	10.2
32 VDC (IRIG)	15	1	1
COMP 25.6 KPPS IN ∯ SYNC (SET)	3	35	1
COMP 25.6 KPPS OUT OF ∯ SYNC (RESET)	12	35	1
25.6 KC IMU MONITOR (2V)	36	35	1
25.6 KC OPT MONITOR (2V)	28	27	1
TRAY 3			
X PIPA P PULSES	23	1	10
X PIPA N PULSES	31	1	10
Y PIPA P PULSES	24	1	10
Y PIPA N PULSES	32	1	10
X PIPA AC AMP OUPT	2	1	1
Y PIPA AC AMP OUPT	3	1	1
TRAY 4			
Z PIPA P PULSES	23	1	10
Z PIPA N PULSES	31	1	10
Z PIPA AC AMP OUPT	2	1	1
TRAY 5			
X GYRO ERROR	9	1	10.2
Z GYRO ERROR	17	1	10.2
IG CDU DAC ERROR	20	21	1
MG CDU DAC ERROR	27	28	1
OG CDU DAC ERROR	35	36	1
IG +DT UNCOND SQUARE WAVE	23	1	1
IG -DT UNCOND SQUARE WAVE	31	1	1
MG +DT UNCOND SQUARE WAVE	24	1	1
MG -DT UNCOND SQUARE WAVE	32	1	1
OG +DT UNCOND SQUARE WAVE	25	1	1
OG -DT UNCOND SQUARE WAVE	33	1	1
+DVX	2	1	1
-DVX	10	1	1
+DVY	3	1	1
-DVY	11	1	1
+DVZ	4	1	1
-DVZ	12	1	1

PSA TEST ADPT SIGNALS

SIGNAL	PROBE HI	PROBE LO	MULT BY
TRAY 6			
OPT 800 CPS DRIVE	2	1	2
OPT 800 CPS 1%	9	1	10.2
OPT 800 C.S 5% ∠-90°	10	1	10.2
IG CDU FAIL IND	26	34	1
MG CDU FAIL IND	25	34	1
OG CDU FAIL IND	33	34	1
IG CDU 16X ERROR	20	21	1.01
MG CDU 16X ERROR	27	28	1.01
OG CDU 16X ERROR	35	36	1.01
TRAY 7			
TEMP CONT AMP EXCIT TP	18	17	1
HTR CURRENT (TELE)	23	34	1
BLO CURRENT SENSOR (TELE)	24	34	1
ACCEL TEMP IND BRDG	25	26	1
TEMP CONT AMP OUPT	31	17	1
IRIG TEMP IND BRDG	33	32	1
IRIG TEMP (TELE)	19	34	1
ACCEL TEMP (TLE)	11	34	1
ROLL ERROR BODY OFFSET AXIS	27	28	1
YAW ERROR BODY OFFSET AXIS	35	36	1
ROLL ERROR BODY AXIS	14	15	1
PITCH ERROR BODY & BODY OFFSET AXIS	20	21	1
YAW ERROR BODY AXIS	7	8	1
+120V DC PIPA SUPP MONITOR	2	1	3.04
+32V DC MONITOR (PIPA)	10	1	1
+DT TP SHAFT ENCODER	3	12	1
-DT TP SHAFT ENCODER	4	12	1
+DT TP TRUN ENCODER	5	13	1
-DT TP TRUN ENCODER	6	13	1
TRAY 8			
SXT SHAFT MDA OUTPUT ∯2	27	28	1
SCT SHAFT MDA OUTPUT ∯2	35	36	1
TRACKER PREAMP OUTPUT	8	15	1
SXT TRUN MDA INPUT	2	1	1
SCT SHAFT 1X ERROR	3	12	1
SXT SHAFT MDA INPUT	9	23	1
SXT TRUN TACH FEEDBACK	10	11	1
SXT TRUN MDA OUTPUT ∯2	20	21	1
TRACKER X DRIVE T.P.	6	13	1
TRACKER Y DRIVE T.P.	7	14	1
SXT SHAFT TACH FEEDBACK	17	24	1
SCT SHAFT TACH FEEDBACK	18	19	1
TRAY 9			
SCT TRUN MDA OUTPUT ∯2	13	14	1
SHAFT CDU MDA OUTPUT ∯2	27	28	1
TRUN CDU 16X ERROR	17	24	1
SHAFT CDU 16X ERROR	18	19	1
SHAFT CDU TACH FEEDBACK	2	1	1
SCT TRUN TACH FEEDBACK	3	12	1
TRUN CDU MDA OUTPUT ∯2	20	21	1
SCT TRUN 1X ERROR	9	23	1
CDU TRUN TACH FEEDBACK	10	11	1
X TRACKER OUTPUT	5	6	1
Y TRACKER OUTPUT	7	8	1
SCS ERROR-PITCH	37	38	1.02
SCS ERROR-YAW NORM/ENTRY	34	38	1.02
SCS ERROR-ROLL NORM/ENTRY	35	38	1.02
TRAY 10			
IMU 800 CPS 28V (BLOWERS) 5%∠-90°	34	26	10.2
+28V DC OPTICS (OPERATE)	32	31	1
AGC OPR +28V DC	2	1	1
+13V DC AGC	10	1	1
+3V DC AGC	11	1	1
PRESS TRANSDUCER 28 VDC	7	8	1
IMU PRESS. MONITOR	35	36	1
COND +20 VDC	6	5	1
COND +2.5V DC	13	14	1
+28 VDC IMU (ST8Y)	24	23	1
+28 VDC IMU (OPR)	17	23	1
PHOTOMETER PREAMP OUTPUT	20	21	1
+28 VDC IMU OPR BUSS A MONITOR	18	23	1
+28 VDC IMU OPR BUSS B MONITOR	19	23	1

PULSE TORQUE ELECTRONICS

SIGNAL	SW POS.
X PIPA PVR	1
X PIPA TOR CUR. MON	2
X PIPA SCALE FACTOR	3
Y PIPA PVR	4
Y PIPA TOR CUR. MON	5
Y PIPA SCALE FACTOR	6
Z PIPA PVR	7
Z PIPA TOR CUR. MON	8
Z PIPA SCALE FACTOR	9
X GYRO PVR	10
X GYRO TOR CUR. MON	11
X GYRO SCALE FACTOR	12
Y GYRO PVR	13
Y GYRO TOR CUR. MON	14
Y GYRO SCALE FACTOR	15
Z GYRO PVR	16
Z GYRO TOR CUR. MON	17
Z GYRO SCALE FACTOR	18

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
IRIG TEST	
ADSRAX X IRIG TO MG	1
ADIAX X IRIG TO OG	2
SFTGX X IRIG TO OG	3
ADSRAZ Z IRIG TO MG	4
ADIAZ Z IRIG REVERSED TO MG	5
ADIAZ Z IRIG TO MG	6
SFTGZ Z IRIG TO MG	7
Y IRIG	8
INTERFACE LOAD TEST	
NOT USED	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
NOT USED	5-11
FAILURE IND TEST	
800 CPS WH PWR	1
3.2 KC DUCOSYN PWR	2
800 CPS CDU PWR	3
25.6 KC ENCODER PWR	4
IG SERVO ERROR	5
MG SERVO ERROR	6
OG SERVO ERROR	7
IG SERVO ERROR FAIL TEST	8
MG SERVO ERROR FAIL TEST	9
OG SERVO ERROR FAIL TEST	10
X PIPA ERROR	11
Y PIPA ERROR	12
Z PIPA ERROR	13
X PIPA ERROR FAIL TEST	14
Y PIPA ERROR FAIL TEST	15
Z PIPA ERROR FAIL TEST	16
AGC FAIL TEST	17
AGC SPARE FAIL TEST	18
AGC PWR SUPPLY FAIL TEST	19
NOT USED	20-23

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
GAM POWER HIGH	4
GAM POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11
CONTINUITY TEST	
ATTITUDE DISABLE SIG	1
SPACECRAFT LAMP TEST	2
PITCH UP	3
PITCH DOWN	4
YAW RIGHT	5
YAW LEFT	6
ROLL RIGHT	7
ROLL LEFT	8
NOT USED	9-11

SIMULATED JUNCTION BOX TEST POINTS

SIGNAL	TEST JACK
CDU FAIL HI } 102.4 KC	J41
CDU FAIL LO } 102.4 KC	J42
IMU FAIL HI } 102.4 KC	J43
IMU FAIL LO } 102.4 KC	J44
ACCEL FAIL HI } 102.4 KC	J45
ACCEL FAIL LO } 102.4 KC	J46
STAR PRESENCE HI } 102.4 KC	J47
STAR PRESENCE LO } 102.4 KC	J48

(READ VIA PULSE PROBE ON TPA)

PIPA FAIL TEST SWITCHES
X, Y, Z, PIPA NORMAL/TEST

POSITION	FUNCTION
NORMAL	PIPA ERROR SIGNALS ROUTED TO XBARS & MSI, AND BACK TO AIRBORNE.
TEST	PIPA ERROR SIGNALS SWITCHED IN SJB DIRECTLY TO AIRBORNE FAIL CIRCUIT (GSE MON BYPASSED).

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A & B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS ∯	1
800 CPS VAR ∯	2
3200 CPS ∯	3
3200 CPS VAR ∯	4
800 CPS OPT ∯	5
AUX INPUT (A SCOPE)	9 & AIP F/P

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV D

USE FOR "SERIES 100" ONLY

MASTER

2900023-021	2900023-021
2900028	2900[illegible]-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACE ± —; 3 PLACE DECIMALS ± —; ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVED —

AC ELECTRONICS DIVISION, GENERAL MOTORS CORP, MILWAUKEE, WIS.
DRAWN R.P. Bridge 6 JAN 66
CHECKED [illegible] 12 JAN 66
APPROVED [illegible] 5-16-66
CONTRACT NAS 9-497
NASA APPROVAL —
NAT APPR'VAL —

MANNED SPACECRAFT CENTER, HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. [illegible] | 2901077 D
SCALE — | SHEET 8 OF 8

2901077 D

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D061809		3-15	
	B	REVISION STATUS CHANGED	D061937	3-16	
	C	REVISED		4-11	
	D	INITIAL RELEASE CLASS A PER TDRR 28889		4-11	
	E	REVISED PER TDRR 29898		5-16	

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+4 VDC CDU TP	7		1-18		
+14 VDC ISS CDU	1		1-67		
28 VDC G&N (FROM IMU)	4		1-00		
+28 VDC IMU OPERATE (I/F ONLY)	4		2-69		
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU OPERATE	4		2-20	4-4DC	
-28 VDC	4	1.1	1-24	3-4DC	
120 VDC PIP	4		2-59		
400 CPS 60-70 V(MON)	7		2-50		S7
400 CPS 5(MON)	7		2-65		
800 CPS 28V 1% IMU	4		1-21	6-6AC	S1
800 CPS 28V 5% IMU WHEEL βA	1		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL βB	1		2-22		
3200 CPS 28V 1%	4		1-60		
3200 CPS 28V (TO RSS BUFF AMP)	4		1-23	5-7AC	S5
BLOWER CURRENT SENSOR	1		1-66	4-10AC	
IMU HEATER CURRENT	1		2-58	3-1DC	
ACCEL TEMP	4		2-55	3-3DC	
IRIG TEMP	4		1-56	4-3DC	
X PIPA G/S OUTPUT (B/A 1 V/V)	4		2-51	6-1AC	
Y PIPA G/S OUTPUT (B/A 1 V/V)	4		1-52	5-1AC	
Z PIPA G/S OUTPUT (B/A 1 V/V)	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	1			8-9	
X GYRO ERROR (B/A 1 V/V)	1		2-33	2-1	
Z GYRO ERROR (B/A 1 V/V)	1		2-34	3-1AC	
IMU IG AND Y GYRO ERROR (B/A 1 V/V)	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IMU MG ERROR (B/A 1 V/V)	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
IMU OG ERROR (B/A 1 V/V)	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
IG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-29	1-5	
MG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-28	2-5	
OG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-27	3-5AC	
SIN AIG 16X (B/A 1 V/V)	1		1-50	6-4AC	
SIN AIG 16X (B/A 5.6 V/V)	1	.179	1-39	5-6AC	
COS AIG 16X (B/A 1 V/V)	1		2-49		
COS AIG 16X (B/A 5.6 V/V)	1	.179	2-39	4-6AC	
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (B/A 1 V/V)	1		1-49	5-4AC	
SIN AMG 16X (B/A 5.6 V/V)	1	.179	1-40	1-6	
COS AMG 16X (B/A 1 V/V)	1		2-48		
COS AMG 16X (B/A 5.6 V/V)	1	.179	2-40	2-6	
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (B/A 1 V/V)	1		1-48	4-4AC	
SIN AOG 16X (B/A 5.6 V/V)	1	.179	1-41	3-6AC	
COS AOG 16X (B/A 1 V/V)	1		2-47		
COS AOG 16X (B/A 5.6 V/V)	1	.179	1-29	1-7	
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
AUX HEATER VOLTAGE	4		2-25		
AUX HEATER CURRENT	4		1-58		
TEMP WITHIN LIMITS	1			5-3DC	
SIGNAL CONDITIONER (GDB STEPPER)	2		2-71	8-4	
CONTINUITY TEST MONITOR	5		2-91		
28V 800CPS 1% (SCS REF)	7		1-19	6-8AC	

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

ISS PULSE SIGNAL

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU △θ,(TO CTR VIA CMS)	1	J2-G	P4	4 & 18	
-IG CDU △θ,(TO CTR VIA CMS)	1	J2-H	P4	19	4
+IG CDU SET (CMS)	1		P7	7	18
-IG CDU SET (CMS)	1		P7		7 & 19
+MG CDU △θ,(TO CTR VIA CMS)	1	J2-J	P5	5 & 20	
-MG CDU △θ,(TO CTR VIA CMS)	1	J2-K	P5	21	5
+MG CDU SET (CMS)	1		P8	8	20
-MG CDU SET (CMS)	1		P8		8 & 21
+OG CDU △θ,(TO CTR VIA CMS)	1	J2-L	P6	6 & 22	
-OG CDU △θ,(TO CTR VIA CMS)	1	J2-M	P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
X PIPA +△V	1		P10	10	
X PIPA -△V	1		P10		10
Y PIPA +△V	1		P11	11	
Y PIPA -△V	1		P11		11
Z PIPA +△V	1		P12	12	
Z PIPA -△V	1		P12		12
PULSE PROBE (TPA NO.2)	7	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	7		P14		
+ AUXILIARY INPUT JACK	7	F/P	S15	15	
- AUXILIARY INPUT JACK	7	F/P	S15		15
TORQUE SET (GCP)	1		P22		
B SCOPE INPUT CHI	7	J1-A			
B SCOPE INPUT CHI	7	J1-C			
A SCOPE INPUT	7	J1-E			
DELAY LINE IN	7	J1-K			
DELAY LINE OUT	7	J1-M			
PX VELOCITY PULSE	1	J3-G			
NX VELOCITY PULSE	1	J3-H			
PY VELOCITY PULSE	1	J3-J			
NY VELOCITY PULSE	1	J3-K			
PZ VELOCITY PULSE	1	J3-L			
NZ VELOCITY PULSE	1	J3-M			
800 PPS 0°	1	J4-B			
3.2 KPPS 0°	1	J4-C			
PULSE PROBE (TPA NO.1)	4	J4-E			
	7				

OPTICS SIGNALS

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+14 VDC OPTICS/RR CDU		3	2-68		
28 VDC OPTICS		5	2-00	4-9DC	
800 CPS 28V 1% (OPTICS)		5	1-01	6-13AC	S2
SXT RETICLE LAMP POWER		3	2-67		
+X OPT CDU SET(CMS)		3			P-18
-X OPT CDU SET(CMS)		3			P-19
+Y OPT CDU SET(CMS)		3			P-20
-Y OPT CDU SET(CMS)		3			P-21
TRACKER X OUTPUT (TRUN)		5	2-13	4-8AC	
TRACKER Y OUTPUT (SHAFT)		5	1-13	3-8AC	
CDU SHAFT FINE ERROR (B/A 1 V/V)	1.01	5	2-05	6-11AC	
CDU TRUN FINE ERROR (B/A 1 V/V)	1.01	5	2-06	5-12AC	
SCT SHAFT MDA P/A MON (B/A 1 V/V)	1.01	5	2-10	4-13AC	
SCT SHAFT MDA Q/P MON β1		5	1-10	3-13AC	
SCT TRUN MDA P/A MON (B/A 1 V/V)	1.01	5	1-03	4-12AC	
SCT TRUN MDA OUTPUT MON β1		5	2-02	6-5 AC	
SCT TRUN MDA TACH MON (B/A)*	1.01,.1	5	1-05	5-11AC	
SXT SHAFT MDA OUTPUT MON β1		5	1-14	1-8	
SXT SHAFT MDA P/A MON (B/A 1 V/V)	1.01	5	2-03	2-13	
SXT SHAFT MDA TACH MON(B/A)*	1.01,.1	5	2-07	1-12	
SXT TRUN MDA OUTPUT β1		5	2-14	5-8 AC	
SXT TRUN MDA P/A MON (B/A 1 V/V)	1.01	5	1-06	6-12AC	
SXT TRUN MDA TACH MON(B/A)*	1.01,.1	5	2-09	2-12	
MARK		3		8-5	
SCT SHAFT MDA TACH MON(B/A 1 V/V)	1.01	5	2-04	1-13	

* B/A 1 V/V OR 10 V/V

OPTICS PULSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	CTR D	CTR A	CTR B
SHAFT+△θ (TO CTR VIA CMS)	J3-C	3	P-16	16	
SHAFT-△θ,(TO CTR VIA CMS)	J3-D	3	P-16		16
TRUN+△θ,(TO CTR VIA CMS)	J3-A	3	P-17	17	
TRUN-△θ,(TO CTR VIA CMS)	J3-B	3	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC COMP T.P.	2	1-93		
+14 VDC COMP T.P.	2	2-93		
+4 VDC COMP T.P.	2	1-94		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RD	2		3-14DC	

GSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+3 VDC (CMPTR SIMULATOR)	6		2-78		
+13 VDC STBY (CMPTR SIMULATOR)	6		1-78		
+27 VDC DIA ON (RLP)	7		1-79	6-11DC	
+28 VDC G&N	7		1-71	8-11	
+28 VDC STBY BUSS A	4		1-72		
+28 VDC STBY BUSS B	4		2-72		
+28 VDC IMU BUSS A	4		1-73		
+28 VDC IMU BUSS B	4		2-73		
+28 VDC OPT BUSS A	5		1-74		
+28 VDC OPT BUSS B	5		2-74		
+28 VDC AGC BUSS A	2		1-75		
+28 VDC AGC BUSS B	2		2-75		
+30 VDC GSE PWR	7		1-70	4-11DC	
-30 VDC GSE PWR	7		2-70	3-11DC	
115V 60 CPS βA DIA ON	7		2-79		
115V 60 CPS βB DIA ON	7		1-80		
115V 60 CPS βC DIA ON	7		2-80		
400 CPS 115V Qβ (GSE)	7		2-77		
115V 400 CPS ΥβΔ (GSE)	7		1-85		
400 CPS 115V (A/B)	7		1-77		
800 CPS 0° ISS REF (B/A)	4		2-81		
800 CPS 90° ISS REF (B/A)	4		2-82		
800 CPS Qβ OPT REF (B/A)	5		1-84		
800 CPS 90° OPT REF (B/A)	5		2-84		
800 CPS VAR PH REF (B/A)	4		2-83		
3200 CPS 28.5V FEEDBACK	7		1-81		
DIA 3200 CPS 30V PWR SUPPLY	7		1-87		
3200 CPS REF (B/A)	4		1-82		
3200 CPS VAR PH ISS REF (B/A)	4		1-83		
IRIG β SHIFTER OUPT (3200 CPS 0°)	4		2-85		
PIPA β SHIFTER OUPT (3200 CPS 45°)	4		1-86		
SIGNAL GEN OUTPUT	7		1-76	5-1DC	
BCD 1 DIGIT 1 FR CTR (LSD)	7			4-7DC	
IG TDA TEST OUTPUT	1		1-91		
MG TDA TEST OUTPUT	1		2-92		
OG TDA TEST OUTPUT	1		1-92		
TEST START LIGHT (COMMD)	4			7-9	
SIGNAL GEN OUTPUT (X4)	7		2-86		
BUFFERED PROBE (TPA NO.1)	4	J4-M	1-98		
BUFFERED PROBE (TPA NO.2)	7	F/P	1-99		
DIRECT PROBE (TPA NO.1)	4	J4-L	2-98		
DIRECT PROBE (TPA NO.2)	7	F/P	2-99		
CTR AUXILIARY INPUT	7	F/P			S15
X PIP +28 vdc PVR	4		1-96		
Y PIP +28 vdc PVR	4		2-95		
Z PIP +28 vdc PVR	4		1-96		

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A&B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS Qβ	1
800 CPS VAR β	2
3200 CPS Qβ	3
3200 CPS VAR β	4
800 CPS OPT Qβ	5
AUX INPUT (A SCOPE)	9 & AIP F/P

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV E

USE FOR BLOCK II ONLY

2900023-021	2900025-021
2900023-011	2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN 6 MAY 66 DATE
CHECKED
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL A.C. MILTENBERGER
MIT APPROVAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 1 OF 6

2901077 REV E

2901077 REV E

2901077 REV E

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D061809		1 MAR 66	
	B	REVISED PER D0:61936		5 MAR 66	
	C	REVISION STATUS CHANGED		4 APRIL 66	
	D	INITIAL RELEASE CLASS A PER TDRR 28889		7 JUL 66	
	E	REVISED PER TDRR 29898		19 AUG 66	

TEST POINT ADAPTER NO.1 SIGNALS

PIPA & IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
X PIPA PVR	4	1
X PIPA TORQUE CURRENT MONITOR	4	2
X PIPA SCALE FACTOR	4	3
Y PIPA PVR	4	4
Y PIPA TORQUE CURRENT MONITOR	4	5
Y PIPA SCALE FACTOR	4	6
Z PIPA PVR	4	7
Z PIPA TORQUE CURRENT MONITOR	4	8
Z PIPA SCALE FACTOR	4	9

PROBED SIGNALS	MULT BY	SIG AVAIL	HI	LO(BLK)
X PIP G/S OUTPUT	1.01	4	T81-17(RED)	T81-18
Y PIP G/S OUTPUT	1.01	4	T81-15(RED)	T81-16
Z PIP G/S OUTPUT	1.01	4	T81-13(RED)	T81-14
X PIP PX	8	4	T81-19(BLU)	T81-18
X PIP NX	8	4	T81-22(BLU)	T81-18
Y PIP PY	8	4	T81-20(BLU)	T81-16
Y PIP NY	8	4	T81-23(BLU)	T81-16
Z PIP PZ	8	4	T81-21(BLU)	T81-14
Z PIP NZ	8	4	T81-24(BLU)	T81-14

PROBE ROUTING (1PA NO. 1)

1. BUFFERED PROBE J7 HI(RED) TO XBAR 1-98 & AIP(J4-M); J8 LO(BLK)
2. DIRECT PROBE J5 HI(GRN) TO XBAR 2-98 & AIP(J4-L); J6 LO(BLK)
3. PULSE PROBE J3 HI(COAX) TO AIP(J4-E); J4 LO(BLK)

TEST POINT ADAPTER NO.2 SIGNALS

SWITCHES

IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
IRIG PVR	4	1
IRIG CURRENT MONITOR	4	2
IRIG SCALE FACTOR	4	3

GSE BUFFER INPUT SWITCH (OPT/ISS SWITCH)

POSITION	SIGNAL ROUTING
ISS	(1) MG CDU FINE ERROR TO TPA AMP, TO XBAR 2-28 & RSS 2-5AC
	(2) OG CDU FINE ERROR TO TPA AMP, TO XBAR 2-27 & RSS 3-5AC
OPT	(1) TRACKER X OUTPUT (TRUN) TO TPA AMP, TO XBAR 2-13 & RSS 4-8AC
	(2) TRACKER Y OUTPUT (SHAFT) TO TPA AMP, TO XBAR 1-13 & RSS 3-8AC

SERVO TEST SWITCH

MOMENTARY ON POSITION--ROUTES 5VDC TO T85-18(GRN) AND 10VDC TO T85-27(GRN)

TACH FEED BACK MULTIPLIER SELECT SWITCHES (SIG AVAIL CODE 5)

SIGNAL	MULT.	RSS	XBAR
SXT SH TACH FDBK (B/A)	.1 OR 1.01	1-12	2-07
SXT TR TACH FDBK (B/A)	.1 OR 1.01	2-12	2-09
SCT TR TACH FDBK (B/A)	.1 OR 1.01	5-11AC	1-05

PROBE ROUTING (TPA NO. 2)

1. BUFFERED PROBE J7 HI (RED) TO XBAR 1-99 & J8 LO(BLK) AIP BUFFERED PROBE OUT
2. DIRECT PROBE J9 HI(GRN) TO XBAR 2-99 & J10 LO(BLK) AIP DIRECT PROBE OUT
3. PULSE PROBE J5 HI(COAX) TO AIP (J4-F), D PULSE J6 LO(BLK) SW POS 13, & A-B SW (POS 13) DECK A

TEST POINT ADAPTER NO. 2 SIGNALS

PROBED SIGNALS	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	7	T82-43(GRN)	T82-18	1
4 VDC COMPTR TP	2	T82-27(GRN)	T82-25	1
14 VDC COMPTR TP	2	T82-26(GRN)	T82-25	1
+20 VDC	4	T82-45(GRN)	T82-49	1
-20 VDC	4	T82-46(GRN)	T82-49	1
27 VDC RLP (AT OIA ON)	7	T82-37(GRN)	T82-40	1
28 VDC GAM (AT OIA ON)	7	T82-36(GRN)	T85-22	1
+28 VDC IMU OPERATE	4	T81-22(GRN)	T85-39	2.8
+28 VDC IMU STANDBY	4	T85-26(GRN)	T85-30	1
+28 VDC COMPTR TP	2	T82-28(GRN)	T82-25	1
+28 VDC OPTICS	5	T85-45(GRN)	T85-49	1
-28 VDC TP	4	T85-19(GRN)	T85-22	1
+30 VDC GSE	7	T82-38(GRN)	T82-42	1
-30 VDC GSE	7	T82-39(GRN)	T82-42	1
+120 VDC PIPA (BUFFERED)	4	T82-14(GRN)	T82-17	2.91
TVC PITCH (SHAFT)	5	T84-29(GRN)	T84-33	1
TVC YAW (TRUN)	5	T84-28(GRN)	T84-32	1
28 V 1% 800 CPS IMU MON	4	T85-24(RED)	T85-9	10.2
28 V 5% 800 CPS IMU #A MON	4	T85-37(RED)	T85-33	10.2
28 V 5% 800 CPS IMU #B MON	4	T85-29(RED)	T85-33	10.2
800 CPS 28V 1% OPT. MON	5	T85-44(RED)	T85-48	10.2
800 CPS 28V 5% OPT. MON	5	T85-35(RED)	T85-48	10.2
3200 CPS 28V 1%	4	T85-20(RED)	T85-23	10.2
3.2 KPPS	2	T81-6 (BLU)	T81-9	2
IG COARSE ERROR TP (CDU)	4	T82-47(RED)	T82-18	1.01
MG COARSE ERROR TP (CDU)	4	T82-41(RED)	T82-18	1.01
OG COARSE ERROR TP (CDU)	4	T82-35(RED)	T82-18	1.01
IG FINE ERROR	4	T83-37(RED)	T83-34	1.01
MG FINE ERROR	4	T83-38(RED)	T83-34	1.01
OG FINE ERROR	4	T83-41(RED)	T83-34	1.01
IG TM CURRENT MON	4	T82-31(GRN)	T81-49	1
MG TM CURRENT MON	4	T82-32(GRN)	T81-49	1
OG TM CURRENT MON	4	T81-45(GRN)	T81-49	1
IG SERVO AMP INPUT TP	4	T85-32(GRN)	T85-40	1
MG SERVO AMP INPUT TP	4	T85-41(GRN)	T85-40	1
OG SERVO AMP INPUT TP	4	T85-31(GRN)	T85-40	1
IG SERVO AMP TEST INPUT	4	T82-11(RED)	T82-7	1
MG SERVO AMP TEST INPUT	4	T82-10(RED)	T82-7	1
OG SERVO AMP TEST INPUT	4	T82-4 (RED)	T82-7	1
IG DC D/A CDU OUTPUT	4	T84-36(GRN)	T84-40	1
MG DC D/A CDU OUTPUT	4	T84-35(GRN)	T84-39	1
OG DC D/A CDU OUTPUT	4	T84-34(GRN)	T84-38	1
IG PITCH CDU ATT ERR (LOADED)	4	T84-45(RED)	T84-49	1.01
MG YAW CDU ATT ERR (LOADED)	4	T84-44(RED)	T84-48	1.01
OG ROLL CDU ATT ERR (LOADED)	4	T84-43(RED)	T84-47	1.01
X PIPA G/S OUTPUT	4	T82-19(RED)	T82-22	1.01
Y PIPA G/S OUTPUT	4	T82-20(RED)	T82-23	1.01
Z PIPA G/S OUTPUT	4	T82-21(RED)	T82-24	1.01
SCT SHAFT MDA PREAMP MON	5	T83-21(RED)	T83-28	1.01
SCT SHAFT MDA TACH MON	5	T83-32(RED)	T83-28	1.01
SCT SHAFT MDA O/P MON #1	5	T83-25(RED)	T83-28	1.01
SCT TRUN MDA PREAMP MON	5	T83-20(RED)	T83-35	1.01
SCT TRUN MDA TACH MON	5	T83-39(RED)	T83-35	1.01
SCT TRUN MDA O/P MON #1	5	T83-24(RED)	T83-35	1.01
SXT SHAFT MDA PREAMP MON	5	T83-31(RED)	T83-46	1.01
SXT SHAFT MDA TACH MON	5	T83-42(RED)	T83-46	1.01
SXT SHAFT MDA O/P MON #1	5	T83-27(RED)	T83-46	1.01
SXT TRUN MDA PREAMP MON	5	T83-29(RED)	T83-40	1.01
SXT TRUN MDA TACH MON	5	T83-36(RED)	T83-40	1.01
SXT TRUN MDA O/P MON #1	5	T83-26(RED)	T83-40	1.01
TRUN FINE ERROR	5	T83-30(RED)	T83-34	1.01
SHAFT FINE ERROR	5	T83-33(RED)	T83-34	1.01
TRACKER X OUTPUT (TRUN)	5	T83-43(RED)	T83-47	1.01
TRACKER Y OUTPUT (SHAFT)	5	T83-44(RED)	T83-48	1.01
BLOWER SIGNAL (TELE)	4	T84-20(RED)	T85-33	1
CONTROL HEATER SIGNAL (TELE)	4	T84-21(GRN)	T85-22	1
CGC TEMP MON	2	T85-14(GRN)	T85-15	1
IRIG TEMP (FROM SIG. COND)	2	T85-16(GRN)	T85-17	1
PIPA CAL MOD TEMP	4	T81-31(GRN)	T81-27	1
PSA TEMP	7	T85-12(GRN)	T85-13	1
IG AC D/A ERROR	1	T81-24(RED)	T81-28	1.01
MG AC D/A ERROR	1	T81-21(RED)	T81-25	1.01
OG AC D/A ERROR	1	T81-19(RED)	T81-23	1.01
CDU TRUN FINE ERROR (B/A OUT)	5	T83-22(RED)	T83-34	1.01
CDU SHAFT FINE ERROR (B/A OUT)	5	T83-23(RED)	T83-34	1.01
SERVO TEST 5 VDC	4	T85-18(GRN)	T82-7	1
SERVO TEST 10 VDC	4	T85-27(GRN)	T82-7	1
SERVO TEST 5VDC (MONITOR)	4	T85-10 (GRN)	T82-7	1
SERVO TEST 10VDC (MONITOR)	4	T85-11 (GRN)	T82-7	1
PSAAM PWR NO.1	4	T81-26 (GRN)	T85-30	1
PSAAM PWR NO.2	4	T81-30 (BLK)	T85-30	1
PSAAM PWR NO.3	4	T82-48 (BLK)	T85-30	1

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
INTERFACE LOAD TEST	
MASTER ALARM ANNUNCIATOR	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
SCS LOAD TEST	5
DSKY INTERFACE TEST	6
ACE BIAS NO.1	7
ACE BIAS NO.2	8
NOT USED	9-11
FAILURE IND TEST	
IG CDU LIMIT CYCLE FAIL COMMD	1
MG CDU LIMIT CYCLE FAIL COMMD	2
OG CDU LIMIT CYCLE FAIL COMMD	3
IG 16X CDU FAIL COMMD	4
MG 16X CDU FAIL COMMD	5
OG 16X CDU FAIL COMMD	6
RR/OPTICS 16X SHAFT CDU FAIL COMMD	7
RR/OPTICS 16X TRUN CDU FAIL COMMD	8
RR/OPTICS SHAFT CDU LIMIT CYCLE FAIL COMMD	9
RR/OPTICS TRUN CDU LIMIT CYCLE FAIL COMMD	10
+14 VDC ISS FAIL COMMD	11
+14 VDC RR/OPTICS FAIL COMMD	12
NOT USED	13-23
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
G&N POWER HIGH	4
G&N POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11
CONTINUITY TEST	
NOT USED	1
SPACECRAFT LAMP TEST	2
PITCH UP	3
PITCH DOWN	4
YAW RIGHT	5
YAW LEFT	6
ROLL RIGHT	7
ROLL LEFT	8
UP TELEMETRY	9
MASTER ALARM RESET	10
NOT USED	11

SIGNAL CONDITIONER MONITOR TELEMETRY SIGNALS

LEVEL 1	POS
+28 VDC CGC OPERATE	1
+28 VDC IMU STANDBY	2
+120 VDC PIPA SUPPLY LEVEL	3
+2.5 VDC TM BIAS	4
Z PIPA SG OUTPUT QUAD	5
3200 CPS 28V SUPPLY	6
Y PIPA SG OUTPUT QUAD	7
X PIPA SG OUTPUT QUAD	8
X PIPA +28VDC PVR INPUT	9
Y PIPA +28VDC PVR INPUT	10
Z PIPA +28VDC PVR INPUT	11
NOT USED	12
800 CPS 28V 1% IMU	13
YAW ATT ERR-CDU DAC OUT	14
PITCH ATT ERR-CDU DAC OUT	15
ROLL ATT ERR-CDU DAC OUT	16
Z PIPA SG OUTPUT IN PHASE	17
Y PIPA SG OUTPUT IN PHASE	18
X PIPA SG OUTPUT IN PHASE	19
IG 1X RSVR OUTPUT COS	20
MG 1X RSVR OUTPUT COS	21
OG 1X RSVR OUTPUT COS	22
IG 1X RSVR OUTPUT SIN	23
MG 1X RSVR OUTPUT SIN	24
OG 1X RSVR OUTPUT SIN	25
TRUN CDU DAC OUTPUT	26
SHAFT CDU DAC OUTPUT	27
800 CPS 28V 1% OPTICS (FQ)	28
SXT SHAFT TACH OUTPUT (FQ)	29
SXT TRUN TACH OUTPUT (FQ)	30
NOT USED	31
IG TM CURRENT	32
MG TM CURRENT	33
OG TM CURRENT	34
NOT USED	35
NOT USED	36
IGA SERVO ERROR IN PHASE	37
MGA SERVO ERROR IN PHASE	38
OGA SERVO ERROR IN PHASE	39
NOT USED	40
NOT USED	41
NOT USED	42
NOT USED	43
NOT USED	44
NOT USED	45
SHAFT CDU FINE ERROR (FQ)	46
TRUN CDU FINE ERROR (FQ)	47
SCT SHAFT TACH OUTPUT (FQ)	48
SCT TRUN TACH OUTPUT (FQ)	49
IMU HEATER CURRENT (FQ)	50
IMU BLOWER CURRENT (FQ)	51
NOT USED	52

LEVEL 2	POS
PIPA TEMPERATURE	1
IRIG TEMPERATURE	2
+28 VDC OPTICS OPERATE	3
+28 VDC CGC WARNING	4
NOT USED	5
NOT USED	6
NOT USED	7

SIGNAL AVAILABILITY CODE		
	1	ISS ONLY
	2	G/N ONLY
	3	OSS ONLY
	4	ISS & G/N
	5	OSS & G/N
	6	ISS & OSS
	7	ISS/OSS/G/N

USE FOR BLOCK II ONLY

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

TPA NO.1 IS THE PTA/PEA-TPA ; TPA NO. 2 PSA-TPA

2901077 REV E

2900023-021	2900023-011
2900023-011	2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE DECIMALS DECIMALS ANGLES + — + — + — - — - — - — DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN G. Parks 6 JAN 66

CHECKED [illegible] 12 JAN 66

APPROVAL [illegible]

CONTRACT NAS 9-497

NASA APPROVAL A. C. McLaren

MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 2 OF 6

2901077 E

2901077 D

2901077 C

2901077 B

2901077 A

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D061809			
	B	REVISION STATUS CHANGED	20653		
	C	REVISION STATUS CHANGE			
	D	INITIAL RELEASE CLASS A PER TDRR 26656			
	E	REVISED PER TDRR 29898		10 JUL 68	PHG

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+4 VDC CDU TEST POINT	4		1-18		
+14 VDC ISS CDU	1		1-67		
28 VDC G&N (FROM IMU)	4		1-00		
+28 VDC IMU OPERATE (I/F ONLY)	4		2-69		
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU OPERATE	4		2-20	4-4DC	
-28 VDC (TPA)	4	1.1	1-24	3-4DC	
120 VDC PIP	4		2-59		
400 CPS 60-70V(MON)	4		2-50		S7
800 CPS 28V 1% IMU	4		1-21	6-6AC	S1
400 CPS 5V(MON)	4		2-65		
800 CPS 28V 5% IMU WHEEL ØA	1		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL ØB	1		2-22		
3200 CPS 28V 1%	4		1-60		
3200 CPS 28V (TO RSS BUFF AMP)	4		1-23	5-7AC	S5
BLOWER CURRENT SENSOR	1		1-66	4-10AC	
IMU HEATER CURRENT	1		2-58	3-1DC	
ACCEL TEMP	4		2-55	3-3DC	
IRIG TEMP	4		1-56	4-3DC	
X PIPA G/S OUTPUT(B/A I V/V)	4		2-51	6-1AC	
Y PIPA G/S OUTPUT(B/A I V/V)	4		1-52	5-1AC	
Z PIPA G/S OUTPUT(B/A I V/V)	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	4			8-9	
X GYRO ERROR(B/A I V/V)	1		2-33	2-1	
Z GYRO ERROR(B/A I V/V)	1		2-34	3-1AC	
IMU IG AND Y GYRO ERROR(B/A I V/V)	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IMU MG ERROR(B/A I V/V)	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
IMU OG ERROR(B/A IV/V)	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
IG CDU FINE ERROR (B/A IV/V)	4	1.01	2-29	1-5	
MG CDU FINE ERROR (B/A IV/V)	4	1.01	2-28	2-5	
OG CDU FINE ERROR (B/A IV/V)	4	1.01	2-27	3-5AC	
SIN AIG 16X (B/A I V/V)	1		1-50	6-4AC	
SIN AIG 16X (B/A 5.6 V/V)	1	.179	1-39	5-6AC	
COS AIG 16X (B/A I V/V)	1		2-49		
COS AIG 16X (B/A 5.6 V/V)	1	.179	2-39	4-6AC	
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (B/A I V/V)	1		1-49	5-4AC	
SIN AMG 16X (B/A 5.6 V/V)	1	.179	1-40	1-6	
COS AMG 16X (B/A I V/V)	1		2-48		
COS AMG 16X (B/A 5.6 V/V)	1	.179	2-40	2-6	
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (B/A I V/V)	1		1-48	4-4AC	
SIN AOG 16X (B/A 5.6 V/V)	1	.179	1-41	3-6AC	
COS AOG 16X (B/A I V/V)	1		2-47		
COS AOG 16X (B/A 5.6 V/V)	1	.179	1-29	1-7	
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
AUX HEATER VOLTAGE	4		2-25		
AUX HEATER CURRENT	4		1-58		
TEMP OUT OF LIMITS	2		1-68		
TEMP WITHIN LIMITS	1				5-3DC
SIG CONDITIONER (GDB STEPPER)	2		2-71		8-4
X PIP 28 VDC PVR	4		1-95		
Y PIP 28 VDC PVR	4		2-95		
Z PIP 28 VDC PVR	4		1-96		
28V 800CPS 1% (SCS REF)	4		1-19		6-8AC

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

ISS PULSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU△⊖	1	J2-G	P4	4 & 18	
-IG CDU△⊖	1	J2-H	P4	19	4
+IG CDU SET(CMS)	1		P7	7	18
-IG CDU SET(CMS)	1		P7		7 & 19
+MG CDU△⊖	1	J2-J	P5	5 & 20	
-MG CDU△⊖	1	J2-K	P5	21	5
+MG CDU SET(CMS)	1		P8	8	20
-MG CDU SET(CMS)	1		P8		8 & 21
+OG CDU△⊖	1	J2-L	P6	6 & 22	
-OG CDU△⊖	1	J2-M	P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
X PIPA +△V	1		P10	10	
X PIPA -△V	1		P10		10
Y PIPA +△V	1		P11	11	
Y PIPA -△V	1		P11		11
Z PIPA +△V	1		P12	12	
Z PIPA -△V	1		P12		12
PULSE PROBE (TPA 2)	4	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	4		P14		
+ AUXILIARY INPUT JACK	4		S15	15	
- AUXILIARY INPUT JACK	4		S15		15
TORQUE SET(GCP)	1		P22		
B SCOPE INPUT CH 1	4	J1-A			
B SCOPE INPUT CH 1	4	J1-C			
A SCOPE INPUT	4	J1-E			
DELAY LINE IN	4	J1-K			
DELAY LINE OUT	4	J1-M			
IG +△θ ABORT	4	J2-A			
IG -△θ ABORT	4	J2-B			
MG +△θ ABORT	4	J2-C			
MG -△θ ABORT	4	J2-D			
OG +△θ ABORT	4	J2-E			
OG -△θ ABORT	4	J2-F			
+AZ/SHAFT CDU△⊖	1	J3-A			
-AZ/SHAFT CDU△⊖	1	J3-B			
+EL/TRUN CDU△⊖	1	J3-C			
-EL/TRUN CDU△⊖	1	J3-D			
PX VELOCITY PULSE	1	J3-G			
NX VELOCITY PULSE	1	J3-H			
PY VELOCITY PULSE	1	J3-J			
NY VELOCITY PULSE	1	J3-K			
PZ VELOCITY PULSE	1	J3-L			
NZ VELOCITY PULSE	1	J3-M			
CDU CLOCK (51.2 KPPS)	1	J4-A			
800 PPS 0°	1	J4-B			
3.2 KPPS 0°	1	J4-C			
PULSE PROBE (FROM TPA NO.1)	4	J4-E			
CDU ZERO ABORT	4	J4-G			

OPTICS SIGNALS

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+14 VDC OPTICS/RR CDU		1	2-68		
28 VDC OPTICS HTR PWR		2	2-67		
RETICLE LAMP VOLTAGE		2	1-69		
CDU SHAFT FINE ERROR(B/A I V/V	LOI	4	2-05	6-11AC	
CDU TRUN FINE ERROR(B/A I V/V)	LOI	4	2-06	5-12AC	
+X OPT CDU SET (CMS)		1			P-18
-X OPT CDU SET (CMS)		1			P-19
+Y OPT CDU SET (CMS)		1			P-20
-Y OPT CDU SET (CMS)		1			P-21

OPTICS PULSE SIGNALS

SIGNAL	SIG AVAIL	CTR D	CTR A	CTR B
+X OPT (SHAFT)(CDU△⊖)	1	P-16	16	
-X OPT (SHAFT)(CDU△⊖)	1	P-16		16
+Y OPT (TRUN)(CDU△⊖)	1	P-17	17	
-Y OPT (TRUN)(CDU△⊖)	1	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC COMP T.P.	2	1-93		
+14 VDC COMP T.P.	2	2-93		
+4 VDC COMP T.P.	2	1-94		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RD	2		3-14DC	

GSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+3 VDC (COMPTR SIMULATOR)	1		2-78		
+13 VDC STBY (COMPTR SIMULATOR)	1		1-78		
+27 VDC DIA ON (RLP)	4		1-79	6-11DC	
+28 VDC G&N	4		1-71	8-11	
+28 VDC STBY BUSS A	4		1-72		
+28 VDC IMU BUSS A	4		1-73		
+28 VDC AGC BUSS A	2		1-75		
+30 VDC GSE PWR	4		1-70	4-11DC	
-30 VDC GSE PWR	4		2-70	3-11DC	
115V 60 CPS ØA DIA ON	4		2-79		
115V 60 CPS ØB DIA ON	4		1-80		
115V 60 CPS ØC DIA ON	4		2-80		
400 CPS 115V ØB (GSE)	4		2-77		
115V 400 CPS-Y Ø (GSE)	4		1-85		
400 CPS 115V (A/B)	4		1-77		
800 CPS 0° ISS REF (B/A)	4		2-81		
800 CPS 90° ISS REF (B/A)	4		2-82		
800 CPS VAR PH REF (B/A)	4		2-83		
3200 CPS 28.5V FDBK	4		1-81		
DIA 3200 CPS 30V PWR SUPPLY	4		1-87		
3200 CPS VAR PH ISS REF (B/A)	4		1-83		
3200 CPS REF (BUFF)(B/A)	4		1-82		
IRIG Ø SHIFTER OUPT (3200 CPS 0°)	4		2-85		
PIPA Ø SHIFTER OUPT (3200 CPS 45°)	4		1-86		
SIGNAL GEN OUTPUT	4		1-76	5-1 DC	
BCD 1 DIGIT 1 FR CTR (LSD)	4			4-7 DC	
IG TDA TEST OUTPUT	1		1-91		
MG TDA TEST OUTPUT	1		2-92		
OG TDA TEST OUTPUT	1		1-92		
TEST START LIGHT (COMMD)	4			7-9	
SIGNAL GEN OUTPUT (X4)	4		2-86		
BUFFERED PROBE (TPA NO.1)	4	J4-M	1-98		
BUFFERED PROBE (TPA NO.2)	4	F/P	1-99		
DIRECT PROBE (TPA NO.1)	4	J4-L	2-98		
DIRECT PROBE (TPA NO.2)	4	F/P	2-99		
CTR AUXILIARY INPUT	7	F/P			SI5

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A & B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS Ø	1
800 CPS VAR Ø	2
3200 CPS Ø	3
3200 CPS VAR Ø	4
800 CPS OPT Ø	5
AUX INPUT(A SCOPE)	9 & AIP F/P

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV E

USE FOR LEM ONLY

2900023-021	2900023-021		
2900023-011	2900023-011		
NEXT ASSY	USED ON	MATERIAL	
APPLICATION		APPROVAL	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± — 3 PLACE DECIMALS ± — ANGLES ± — DO NOT SCALE THIS DRAWING

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. Parker 6 JAN 66 DATE
CHECKED [illegible] 17 JAN 66
APPROVAL [illegible]
CONTRACT NAS 9-497
NASA APPROVAL A. C. METZGER
MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 3 OF 6

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D061809		29 AUG 66	BC
	B	REVISED PER D.O. 61936		13 SEP 66	BC
	C	REVISED		19 APRIL 66	
	D	INITIAL RELEASE CLASS A PER TDRR 28664		6 MAY 66	EC
	E	REVISED PER TDRR 29898		6 JUL 66	PHG

TEST POINT ADAPTER NO.1 SIGNALS

PIPA & IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
X PIPA PVR	4	1
X PIPA TORQUE CURRENT MONITOR	4	2
X PIPA SCALE FACTOR	4	3
Y PIPA PVR	4	4
Y PIPA TORQUE CURRENT MONITOR	4	5
Y PIPA SCALE FACTOR	4	6
Z PIPA PVR	4	7
Z PIPA TORQUE CURRENT MONITOR	4	8
Z PIPA SCALE FACTOR	4	9
IRIG PVR	4	10
IRIG TORQUE CURRENT MONITOR	4	11
IRIG SCALE FACTOR	4	12

PROBED SIGNALS	MULT BY	SIG AVAIL	HI	LO(BLK)
+20 VDC		4	TB1-9 (GRN)	TB1-10
-20 VDC		4	TB1-11(GRN)	TB1-10
X PIP G/S OUTPUT	1.01	4	TB1-17(RED)	TB1-18
Y PIP G/S OUTPUT	1.01	4	TB1-15(RED)	TB1-16
Z PIP G/S OUTPUT	1.01	4	TB1-13(RED)	TB1-14
X PIP PX	8	4	TB1-19(BLU)	TB1-18
X PIP NX	8	4	TB1-22(BLU)	TB1-18
Y PIP PY	8	4	TB1-20(BLU)	TB1-16
Y PIP NY	8	4	TB1-23(BLU)	TB1-16
Z PIP PZ	8	4	TB1-21(BLU)	TB1-14
Z PIP NZ	8	4	TB1-24(BLU)	TB1-14

PROBE ROUTING (TPA NO.1)

1. BUFFERED PROBE — J7 HI(RED) TO XBAR 1-98 & AIP(J4-M); J8 LO(BLK)
2. DIRECT PROBE — J5 HI(GRN) TO XBAR 2-98 & AIP(J4-L); J6 LO(BLK)
3. PULSE PROBE — J3 HI(COAX) TO AIP(J4-E); J4 LO(BLK)

TEST POINT ADAPTER NO.2 SIGNALS

SWITCHES

IRIG S/F MONITOR - USE FOR BLK II ONLY

OPT/ISS SWITCH

POSITION	SIGNAL ROUTING
ISS	(1) MG CDU FINE ERROR TO TPA AMP, TO XBAR 2-28, & RSS 2-5
	(2) OG CDU FINE ERROR TO TPA AMP, TO XBAR 2-27, & RSS 3-5 AC
OPT	NOT USED

SERVO TEST SWITCH

MOMENTARY ON POSITION--ROUTES 5 VDC TO TB5-18(GRN) AND 10 VDC TO TB5-27(GRN)

PROBE ROUTING (TPA NO.2)

1. BUFFERED PROBE — J7 HI(RED) TO XBAR 1-99 & J8 LO(BLK) AIP BUFFERED PROBE OUT
2. DIRECT PROBE — J9 HI(GRN) TO XBAR 2-99 & J10 LO(BLK) AIP DIRECT PROBE OUT
3. PULSE PROBE — J5 HI(COAX) TO AIP(J4-F), D PULSE; J6 LO(BLK) SW POS 13, & A-B SW (POS 13) DECK A

PROBED SIGNALS (WITHOUT SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	4	TB2-43(GRN)	TB2-18	1
4 VDC CMPTR TP	2	TB2-27(GRN)	TB2-25	1
14 VDC COMPTR TP	2	TB2-26(GRN)	TB2-25	1
27 VDC RLP OIA ON	4	TB2-37(GRN)	TB2-40	1
+28 VDC COMPTR TP	2	TB2-28(GRN)	TB2-25	1
28 VDC G&N	4	TB2-36(GRN)	TB5-22	1
+28 VDC IMU OPERATE	4	TB1-22(GRN)	TB5-22	1
+28 VDC IMU STANDBY	4	TB1-29(GRN)	TB5-22	1
-28 VDC TP	4	TB5-19(GRN)	TB5-22	1
+30 VDC GSE	4	TB2-38(GRN)	TB2-42	1
-30 VDC GSE	4	TB2-39(GRN)	TB2-42	1

TPA NO.1 IS THE PTA/PEA-TPA; TPA NO.2 IS THE PSA-TPA.
WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

PROBED SIGNALS (WITHOUT SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
800 CPS 28V 5% ØA TP	2	TB5-37(RED)	TB5-33	10.2
800 CPS 28V 5% ØB TP	2	TB5-29(RED)	TB5-33	10.2
800 CPS P/S TEMP	4	TB5-12(GRN)	TB5-13	1
3.2 KPPS	2	TB1-6 (BLU)	TB1-9	2
IG COARSE ERR TP (CDU)	4	TB2-47(RED)	TB2-18	1.01
MG COARSE ERR TP (CDU)	4	TB2-41(RED)	TB2-18	1.01
OG COARSE ERR TP (CDU)	4	TB2-35(RED)	TB2-18	1.01
IG FINE ERR TP (CDU)	4	TB3-37(RED)	TB3-34	1.01
MG FINE ERR TP (CDU)	4	TB3-38(RED)	TB3-34	1.01
OG FINE ERR TP (CDU)	4	TB3-41(RED)	TB3-34	1.01
IG TM CURRENT TP	4	TB2-31(GRN)	TB1-49	1
MG TM CURRENT TP	4	TB2-32(GRN)	TB1-49	1
OG TM CURRENT TP	4	TB1-45(GRN)	TB1-49	1
IG SERVO AMP TEST INPUT	4	TB2-11(RED)	TB2-7	1
MG SERVO AMP TEST INPUT	4	TB2-10(RED)	TB2-7	1
OG SERVO AMP TEST INPUT	4	TB2-4 (RED)	TB2-7	1
IG AC D/A ERROR TO FDAI	2	TB1-24(RED)	TB1-28	1.01
MG AC D/A ERROR TO FDAI	2	TB1-21(RED)	TB1-25	1.01
OG AC D/A ERROR TO FDAI	2	TB1-19(RED)	TB1-23	1.01
IG AC D/A ERR TO FDAI (LOADED)	4	TB4-45(RED)	TB4-49	1.01
MG AC D/A ERR TO FDAI (LOADED)	4	TB4-44(RED)	TB4-48	1.01
OG AC D/A ERR TO FDAI (LOADED)	4	TB4-43(RED)	TB4-47	1.01
AZ SHAFT FINE ERROR (BUFF)	4	TB3-23 RED	TB3-34	1.01
EL/TRUN FINE ERROR(BUFF)	4	TB3-22 RED	TB3-34	1.01
SIN AIG 1X	2	TB1-33(RED)	TB1-32	1.01
COS AIG 1X	2	TB1-35(RED)	TB1-34	1.01
SIN AMG 1X	2	TB1-37(RED)	TB1-36	1.01
COS AMG 1X	2	TB1-39(RED)	TB1-38	1.01
SIN AOG 1X	2	TB1-41(RED)	TB1-40	1.01
COS AOG 1X	2	TB1-46(RED)	TB1-42	1.01
AZ/SHAFT COARSE ERR TP (CDU)	4	TB2-34(RED)	TB2-18	1.01
AZ/SHAFT FINE ERR (CDU)	4	TB3-33(RED)	TB3-34	1.01
AZ/SHAFT SIN 16X	4	TB1-43(RED)	TB1-47	1.01
AZ/SHAFT COS 16X	4	TB1-44(RED)	TB1-48	1.01
AZ/SH AC D/A TO FDAI (LOADED)	4	TB4-42(RED)	TB4-46	1.01
AZ/SHAFT SIN 1X	4	TB4-30(RED)	TB4-31	1.01
AZ/SHAFT COS 1X	4	TB4-22(RED)	TB4-23	1.01
EL/TRUN COARSE ERR TP (CDU)	4	TB2-33(RED)	TB2-18	1.01
EL/TRUN FINE ERR (CDU)	4	TB3-30(RED)	TB3-34	1.01
EL/TRUN SIN 16X	4	TB2-12(RED)	TB2-15	1.01
EL/TRUN COS 16X	4	TB2-13(RED)	TB2-16	1.01
EL/TR AC D/A TO FDAI (LOADED)	4	TB4-37(RED)	TB4-41	1.01
EL/TRUN SIN 1X	4	TB4-26(RED)	TB4-27	1.01
EL/TRUN COS 1X	4	TB4-24(RED)	TB4-25	1.01
TEMP MON 1	2	TB5-14(GRN)	TB5-15	1
PIPA CAL MOD TEMP	4	TB1-31(GRN)	TB1-27	1
HEATER TELEMETRY DISCRETE	2	TB4-21(GRN)	TB5-22	1
BLOWER TELE DISCRETE	2	TB4-20(RED)	TB5-33	1
FORWARD VELOCITY	4	TB4-29(GRN)	TB4-33	1
LATERAL VELOCITY	4	TB4-28(GRN)	TB4-32	1
UPLINK 0	2	TB1-12(BLU)	TB1-15	2
UPLINK 1	2	TB1-13(BLU)	TB1-17	2
SERVO TEST 5 VDC	4	TB5-18(GRN)	TB2-7	1
SERVO TEST 10 VDC	4	TB5-27(GRN)	TB2-7	1
SERVO TEST 5 VDC (MONITOR)	4	TB5-10(GRN)	TB2-7	1
SERVO TEST 10 VDC (MONITOR)	4	TB5-11(GRN)	TB2-7	1

PROBED SIGNALS (WITH SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	2	TB2-43(GRN)	TB2-18	1
4 VDC COMPTR TP	2	TB2-27(GRN)	TB2-25	1
14 VDC COMPTR TP	2	TB2-26(GRN)	TB2-25	1
+28 VDC COMPTR TP	2	TB2-28(GRN)	TB2-25	1
+28 VDC IMU OPERATE	2	TB1-22(GRN)	TB5-22	2.8
+28 VDC IMU STANDBY	2	TB1-29(GRN)	TB5-22	1
-28 VDC VDC TP	2	TB5-19(GRN)	TB5-22	1
800 CPS 28V 5% ØA TP	2	TB5-37(RED)	TB5-33	10.2
800 CPS 28V 5% ØB TP	2	TB5-29(RED)	TB5-33	10.2
800 CPS P/S TEMP (PSA)	2	TB5-12(GRN)	TB5-13	1
3200 CPS 1% 28V MON	2	TB5-20(RED)	TB5-23	10.2
3.2 KPPS	2	TB1-6 (BLU)	TB1-9	2
IG COARSE ERROR TP (CDU)	2	TB2-47(RED)	TB2-18	1.01
MG COARSE ERROR TP (CDU)	2	TB2-41(RED)	TB2-18	1.01
OG COARSE ERROR TP (CDU)	2	TB2-35(RED)	TB2-18	1.01
IG FINE ERROR TP (CDU)	2	TB3-37(RED)	TB3-34	1.01
MG FINE ERROR TP (CDU)	2	TB3-38(RED)	TB3-34	1.01
OG FINE ERROR TP (CDU)	2	TB3-41(RED)	TB3-34	1.01
IG TM CURRENT TP	2	TB2-31(GRN)	TB1-49	1
MG TM CURRENT TP	2	TB2-32(GRN)	TB1-49	1
OG TM CURRENT TP	2	TB1-45(GRN)	TB1-49	1
IG SERVO AMP TEST INPUT	2	TB2-11(RED)	TB2-7	1
MG SERVO AMP TEST INPUT	2	TB2-10(RED)	TB2-7	1
OG SERVO AMP TEST INPUT	2	TB2-4 (RED)	TB2-7	1
X PIPA G/S OUTPUT	2	TB2-19(RED)	TB2-22	1.01

PROBED SIGNALS (WITH SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
Y PIPA G/S OUTPUT	2	TB2-20(RED)	TB2-23	1.01
Z PIPA G/S OUTPUT	2	TB2-21(RED)	TB2-24	1.01
AZ/SHAFT COARSE ERROR TP (CDU)	2	TB2-34(RED)	TB2-18	1.01
AZ/SHAFT FINE ERROR TP (CDU)	2	TB3-33(RED)	TB3-34	1.01
EL/TRUN COARSE ERROR TP (CDU)	2	TB2-33(RED)	TB2-18	1.01
EL/TRUN FINE ERROR TP (CDU)	2	TB3-30(RED)	TB3-34	1.01
PIPA CAL MOD TEMP	2	TB1-31(GRN)	TB1-27	1
TEMP MON 1 (COMP)	2	TB5-14(GRN)	TB5-15	1
IRIG TEMP	2	TB5-16(GRN)	TB5-17	1
EL/TRUN FINE ERR TP(CDU)(B/A)	2	TB3-22(RED)	TB3-34	1.01
AZ/SH FINE ERR TP(CDU)(B/A)	2	TB3-23(RED)	TB3-34	1.01
IG SERVO ERROR TP	2	TB5-32(GRN)	TB5-40	1.01
MG SERVO ERROR TP	2	TB5-41(GRN)	TB5-40	1.01
OG SERVO ERROR TP	2	TB5-31(GRN)	TB5-40	1.01
HEATER TELEMETRY DISCRETE	4	TB4-21(GRN)	TB5-22	1
BLOWER TELEMETRY DISCRETE	4	TB4-20(RED)	TB5-33	1
UPLINK 0	2	TB1-12(BLU)	TB1-15	2
UPLINK 1	2	TB1-13(BLU)	TB1-17	2
+30 VDC GSE	2	TB2-38(GRN)	TB2-42	1
-30 VDC GSE	2	TB2-39(GRN)	TB2-42	1
27 VDC RLP OIA ON	2	TB2-37(GRN)	TB2-40	1
28 VDC G/N	2	TB2-36(GRN)	TB5-22	1
SERVO TEST 5 VDC	2	TB5-18(GRN)	TB2-7	1
SERVO TEST 10 VDC	2	TB5-27(GRN)	TB2-7	1
SERVO TEST 5 VDC (MONITOR)	2	TB5-10(GRN)	TB2-7	1
SERVO TEST 10VDC (MONITOR)	2	TB5-11(GRN)	TB2-7	1
PSAAM PWR NO.1	2	TB1-26(GRN)	TB2-7	1
PSAAM PWR NO.2	2	TB1-30(BLK)	TB2-7	1
PSAAM PWR NO.3	2	TB2-48 (BLK)	TB2-7	1

TEST SELECTOR PROGRAMMED TESTS

	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
INTERFACE LOAD TEST	
NOT USED	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
SCS LOAD TEST	5
DSKY INTERFACE TEST	6
CONTROL NO. 1	7
CONTROL NO. 2	8
NOT USED	9-11
FAILURE IND TEST	
IG CDU LIMIT CYCLE FAIL COMMD	1
MG CDU LIMIT CYCLE FAIL COMMD	2
OG CDU LIMIT CYCLE FAIL COMMD	3
IG 16X CDU FAIL COMMD	4
MG 16X CDU FAIL COMMD	5
OG 16X CDU FAIL COMMD	6
RR/OPTICS 16X SHAFT CDU FAIL COMMD	7
RR/OPTICS 16X TRUN CDU FAIL COMMD	8
RR/OPTICS SHAFT CDU LIMIT CYCLE FAIL COMMD	9
RR/OPTICS TRUN CDU LIMIT CYCLE FAIL COMMD	10
+14 VDC ISS FAIL COMMD	11
+14 VDC RR/OPTICS FAIL COMMD	12
NOT USED	13-23
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
AGE POWER HIGH	4
AGE POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11

SIGNAL CONDITIONER MONITOR TELEMETRY SIGNALS

LEVEL 1	
LGC OPERATE	1
IMU STANDBY	2
120 VDC REF	3
PCM 2.5 VDC BIAS	4
Z PIPA S/G OUTPUT QUAD	5
3200 CPS 1%	6
Y PIPA S/G OUTPUT QUAD	7
X PIPA S/G OUTPUT QUAD	8
X PIPA PVR	9
Y PIPA PVR	10
Z PIPA PVR	11
NOT USED	12
800 CPS 1%	13
YAW ATT ERROR	14
PITCH ATT ERROR	15
ROLL ATT ERROR	16
Z PIPA S/G OUT	17
Y PIPA S/G OUT	18
X PIPA S/G OUT	19
IG 1X RSVR COS	20
MG 1X RSVR COS	21
OG 1X RSVR COS	22
IG 1X RSVR SIN	23
MG 1X RSVR SIN	24
OG 1X RSVR SIN	25
NOT USED	26
NOT USED	27
TRUN 1X RSVR SIN	28
SHAFT 1X RSVR SIN	29
SHAFT 1X RSVR COS	30
TRUN 1X RSVR COS	31
IG TM CURRENT	32
MG TM CURRENT	33
OG TM CURRENT	34
CAL MOD TEMP	35
NOT USED	36
IG SERVO ERROR	37
MG SERVO ERROR	38
OG SERVO ERROR	39
IG FINE ERROR	40
MG FINE ERROR	41
OG FINE ERROR	42
NOT USED	43
NOT USED	44
R AND D 2.5 VDC BIAS	45
SHAFT FINE ERROR	46
TRUN FINE ERROR	47
NOT USED	48
NOT USED	49
IMU HEATER CURRENT	50
IMU BLOWER CURRENT	51
NOT USED	52

LEVEL 2	
PIPA TEMP	1
IRIG TEMP	2
OG IX RSVR SIN +/-10°	3
IG IX RSVR SIN +/-10°	4
MG IX RSVR SIN +/-10°	5
NOT USED	6
NOT USED	7

LORS SPECIAL MONITORING

SIGNAL	MONITOR POINT
MONITOR NO.1 *	XBAR 114, REC 1-8 OSS REF(HAC), AND RSS 1-10 ISS REF
MONITOR NO.2 *	XBAR 199
MONITOR NO.3 *	XBAR 298
MONITOR NO.4 *	XBAR 198
MONITOR NO.5 *	XBAR 299
MONITOR NO.6 *	AIP COAX J4-E
800 CPS 28V 1%(HAC)	XBAR 101, RSS 6-13AC

*SIGNALS SELECTED BY ROTARY SWITCHES ON BJP IN TCC(HAC).

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

USE FOR LEM ONLY

2901077 REV E

2900023-021	2900023-021			
2900023-011	2900023-011			
NEXT ASSY	USED ON			
APPLICATION				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE DECIMALS DECIMALS ANGLES ± ± ± — — — DO NOT SCALE THIS DRAWING

MATERIAL — APPROVAL

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN P.D. Zuehlke 6 JUN 66 DATE
CHECKED [illegible] 17 JUN 66
APPROVAL [illegible]
CONTRACT NAS 9-497

NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO 99974 | 2901077 | SHEET 4 OF 6 | SCALE —

2901077 | 2901077 | 2901077

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER DO61809		7 MAR 66	EK
	B	REVISED PER DO. 61936		11 MAR 66	EK
	C	REVISION STATUS CHANGED		13 APRIL 66	
	D	INITIAL RELEASE CLASS A PER TDRR 26649		5 JUL 66	
	E	REVISED PER TDRR 29898		4 JAN 67	

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU	4		2-20	4-4DC	
-28 VDC (TPA)	4	1.1	1-24	3-4DC	
-28 VDC (SMC)	2		2-68		
32 VDC PIP	2		1-59		
120 VDC PIP	2		2-59		
ERROR DETECT LIGHT (28 VDC)	4		1-67		
GIMBAL LOCK (28 VDC)	4		2-67		
GIMBAL LOCK LIGHT (MDV DISP 28 VDC)	6		1-68		
+20 VDC CONDITIONING	4		1-57		
+2.5 VDC CONDITIONING	4		2-57		
400 CPS 6V	6		2-65		
400 CPS 26V	6		2-62		
400 CPS 1.5V ΩØ	6		1-63		
400 CPS 1.5V π Ø	6		2-63		
400 CPS VAR ILL PWR (6V)	6		2-50		S7
800 CPS 28V 1% IMU	4		1-21	6-6AC	S1
800 CPS 28V 1% IMU (SCS REF)	4		2-21		
800 CPS 28V 5% IMU WHEEL ØA	4		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL ØB	4		2-22		
800 CPS 26V 5% ∠-90° IMU	4		1-19	6-6AC	
3200 CPS 2V (ISS ONLY)	1		1-60		
3200 CPS 2V FDBK	4		1-23	5-7AC	S5
3200 CPS 20V (SQ WAVE ØA)	4		2-56		S6
3200 CPS 20V (SQ WAVE ØB)	4		2-60		
25.6 KC IMU (2V)	4		2-23		S3
TEMP CONT AMPL OUT	4		2-19		
BLOWER CURRENT SENSOR (TELE)	4		2-54	5-4DC	
HEATER CURRENT (TELE)	4		1-55	6-4DC	
ACCEL TEMP (TELE)	4		2-55	3-3DC	
IRIG TEMP (TELE)	4		1-56	4-3DC	
X PIPA ERROR MONITOR	4		2-51	6-1AC	
Y PIPA ERROR MONITOR	4		1-52	5-1AC	
Z PIPA ERROR MONITOR	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	1			8-9	
X GYRO ERROR	4		2-33	2-1	
Z GYRO ERROR	4		2-34	3-1AC	
IMU IG AND Y GYRO ERROR	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IG TORQ MTR (CURRENT)	1		2-38	7-1	
IMU MG ERROR	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
MG TORQ MTR (CURRENT)	1		2-37	6-2DC	
IMU OG ERROR	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
OG TORQ MTR (CURRENT)	1		2-36	8-3	
IG CDU 16X ERROR (B/A)	4	1.01	2-29	1-5	
IG CDU 1X ERROR (S2)	4		2-32	3-4AC	
IG CDU 1/2X ERROR (S3)	1		1-32	2-3	
IG CDU DAC ERROR	4		2-46	6-2AC	
IG CDU MDA TACH	1		1-61		
IG CDU +DT UNCOND SQ WAVE	4			8-6	
IG CDU -DT UNCOND SQ WAVE	4			7-6	
IG CDU FAIL IND (SMC)	2		1-64		
MG CDU 16X ERROR(B/A)	4	1.01	2-28	2-5	
MG CDU 1X ERROR	4		2-31	1-4	
MG CDU 1/2X ERROR	1		1-31	3-3AC	
MG CDU DAC ERROR	4		2-45	5-2AC	
MG CDU MDA TACH	1		2-61		
MG CDU +DT UNCOND SQ WAVE	4			6-6DC	
MG CDU -DT UNCOND SQ WAVE	4			5-6DC	
MG CDU FAIL IND (SMC)	2		2-64		
OG CDU 16X ERROR (TLM)	2		2-35		
OG CDU 16X ERROR (B/A)	4	1.01	2-27	3-5AC	
OG CDU 1X ERROR	4		2-30	2-4	
OG CDU 1/2 X ERROR	1		1-30	1-3	
OG CDU DAC ERROR	4		2-44	4-2AC	
OG CDU MDA TACH	1		1-62		
OG CDU +DT UNCOND SQ WAVE	4			4-6DC	
OG CDU -DT UNCOND SQ WAVE	4			3-6DC	
OG CDU FAIL IND (SMC)	2		1-65		
SIN AIG 16X (TO CDU)	1		1-50	6-4AC	
COS AIG 16X	1		2-49		
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (TO CDU)	1		1-49	5-4AC	
COS AMG 16X	1		2-48		
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (TO CDU)	1		1-48	4-4AC	
COS AOG 16X	1		2-47		
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
CONTINUITY TEST MONITOR	4		2-91		
IMU PRESSURE MONITOR	4		1-18		
CTR IMU DELAY	4				S13

SIGNAL AVAILABILITY CODE		
	1	ISS ONLY
	2	G/N ONLY
	3	OSS ONLY
	4	ISS & G/N
	5	OSS & G/N
	6	ISS & OSS
	7	ISS/OSS/G/N

ISS PULSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU △θ(CMS)	1		P4	4 & 18	
-IG CDU △θ(CMS)	1		P4	19	4
+IG CDU SET(CMS)	1		P7	7	18
-IG CDU SET(CMS)	1		P7		7 & 19
+MG CDU △θ(CMS)	1		P5	5 & 20	
-MG CDU △θ(CMS)	1		P5	21	5
+MG CDU SET(CMS)	1		P8	6	20
-MG CDU SET(CMS)	1		P8		8 & 21
+OG CDU △θ(CMS)	1		P6	6 & 22	
-OG CDU △θ(CMS)	1		P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
+X IRIG SET(CMS)	1		P1	1	
-X IRIG SET(CMS)	1		P1		1
+Y IRIG SET(CMS)	1		P2	2	
-Y IRIG SET(CMS)	1		P2		2
+Z IRIG SET(CMS)	1		P3	3	
-Z IRIG SET(CMS)	1		P3		3
X PIPA +△V	1		P10	10	
X PIPA -△V	1		P10		10
Y PIPA +△V	1		P11	11	
Y PIPA -△V	1		P11		11
Z PIPA +△V	1		P12	12	
Z PIPA -△V	1		P12		12
PSA ADAPTER PULSE PROBES	7	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	7	J1-M	P14		
+ AUXILIARY INPUT JACK	7	F/P	S15	15	
- AUXILIARY INPUT JACK	7	F/P	S15		15
B SCOPE INPUT CH1	7	J1-A			
B SCOPE INPUT CH1	7	J1-C			
A SCOPE INPUT	7	J1-E			
DELAY LINE IN	7	J1-K			
DELAY LINE OUT	7	J1-M			
IG ENC +△θ	1	J2-G			
IG ENC -△θ	1	J2-H			
MG ENC +△θ	1	J2-J			
MG ENC -△θ	1	J2-K			
OG ENC +△θ	1	J2-L			
OG ENC -△θ	1	J2-M			
+△VX	1	J3-G			
-△VX	1	J3-H			
+△VY	1	J3-J			
-△VY	1	J3-K			
+△VZ	1	J3-L			
-△VZ	1	J3-M			
CMS 800 PPS IN Ø SYNC	1	J4-B			
CMS 3200 PPS IN Ø SYNC	1	J4-D			

OPTICS SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
28 VDC OPTICS	5	2-00	4-9DC	
800 CPS 28V 1% (OPTICS)	5	1-01	6-13AC	S2
800 CPS 28V 5% ∠-90° OPTICS	5	2-01	5-13AC	
25.6 KC OPTICS	5	1-02		S4
+DT T.P. TRUN ENC	5		6-7DC	
-DT T.P. TRUN ENC	5		5-7DC	
+DT T.P. SHAFT ENC	5		8-7	
-DT T.P. SHAFT ENC	5		7-7	
CDU TRUN TACH FDBK (SMC)	5	1-04	3-11AC	
CDU TRUN TACH FDBK (TPA)	5	1-08	4-11AC	
CDU TRUN 16X RSVR ERROR (SMC)	5	2-08	1-11	
CDU TRUN 16X ERROR (TPA)	5	2-06	5-12AC	
SCT SHAFT TACH FDBK (SMC) (BUFF)	5	2-04	1-13	
SCT SHAFT TACH FEEDBACK (TPA)	5	1-07	2-11	
SCT SHAFT 1X ERROR (BUFF)	5	2-10	4-13AC	
SCT TRUN TACH FDBK (BUFF)(SMC)	5	1-05	5-11AC	
SCT TRUN 1X ERROR (SMC)	5	1-03	4-12AC	
SCT TRUN 1X RSVR ERROR (TPA)	5	1-09	3-12AC	
SCT TRUN MDA OUPT Ø2	5	2-02	6-5AC	
SHAFT CDU 16X ERROR (BUFF)	5	1-12	5-10AC	
SHAFT CDU 16X ERROR (TPA)	5	2-05	6-11AC	
SHAFT CDU TACH FDBK (BUFF)	5	1-10	3-13AC	
SXT SHAFT TACH FDBK (SMC)(BUFF)	5	2-12	6-10AC	
SXT SHAFT TACH FDBK (TPA)	5	2-07	1-12	
SXT SHAFT MDA INPUT (BUFF)	5	2-03	2-13	
SXT SHAFT MDA OUTPUT Ø2	5	1-14	1-8	
SXT TRUN TACH FDBK (BUFF)	5	2-09	2-12	
SXT TRUN MDA INPUT (SMC)	5	1-06	6-12AC	
SXT TRUN MDA OUTPUT Ø2	5	2-14	5-8AC	

OPTICS SIGNALS CONT.

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
PHOTOMETER PREAMP OUTPUT (BUFF)		5	2-88		
PHOTOMETER PREAMP OUTPUT (AC)		5	2-15		S12
PHOTOMETER PREAMP OUTPUT (DC)		5	2-18	4-1DC	
Y TRACKER OUTPUT (800 CPS)(TPA B/A)	1.01	5	1-13	3-8AC	
X TRACKER OUTPUT (800 CPS)(TPA B/A)	1.01	5	2-13	4-8AC	
TRACKER X DRIVE (BUFF)(SMC)		5	1-16		S10
TRACKER Y DRIVE (BUFF)(SMC)		5	2-16		S11
TRACKER PREAMP OUTPUT (BUFF)(SMC)		5	1-88		
MARK		3		8-5	
STAR SIMULATOR		5	1-25	7-5	
+X OPT CDU SET (CMS)		3			P-18
-X OPT CDU SET (CMS)		3			P-19
+Y OPT CDU SET (CMS)		3			P-20
-Y OPT CDU SET (CMS)		3			P-21

OPTICS PULSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	CTR D	CTR A	CTR B
TRUN CDU ENC +△θ (TO CTR VIA CMS)	J3-A	3	P-16	16	
TRUN CDU ENC -△θ (TO CTR VIA CMS)	J3-B	3	P-16		16
SHAFT CDU ENC +△θ (TO CTR VIA CMS)	J3-C	3	P-17	17	
SHAFT CDU ENC -△θ (TO CTR VIA CMS)	J3-D	3	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC AGC (OPR PWR)	2	1-93		
+13 VDC AGC	2	2-93		
+3 VDC AGC	2	1-94		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RD	2		3-14DC	

GSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+3 VDC (CMPTR SIMULATOR)		6	2-78		
+13 VDC STBY (CMPTR SIMULATOR)		6	1-78		
+27 VDC O1A ON (RLP)		7	1-79	6-11DC	
+28 VDC G&N		7	1-71	8-11	
+28 VDC STBY BUSS A		4	1-72		
+28 VDC STBY BUSS B		4	2-72		
+28 VDC IMU BUSS A		4	1-73		
+28 VDC IMU BUSS B		4	2-73		
+28 VDC OPT BUSS A		5	1-74		
+28 VDC OPT BUSS B		5	2-74		
+28 VDC AGC BUSS A		4	1-75		
+28 VDC AGC BUSS B		4	2-75		
+30 VDC GSE PWR		7	1-70	4-11DC	
-30 VDC GSE PWR		7	2-70	3-11DC	
115V 60 CPS ØA O1A ON		7	2-79		
115V 60 CPS ØB O1A ON		7	1-80		
115V 60 CPS ØC O1A ON		7	2-80		
400 CPS 115V ΩØ (GSE)		7	2-77		
400 CPS 115V π Ø (GSE)		7	1-85		
400 CPS 115V (A/B)		7	1-77		
800 CPS 0° ISS REF (BUFF)		4	2-81		
800 CPS 90° ISS REF (BUFF)		4	2-82		
800 CPS ΩØ OPT REF (BUFF)		5	1-84		
800 CPS 90° OPT REF (BUFF)		5	2-84		
800 CPS VAR PH REF (BUFF)		4	2-83		
3200 CPS 2V (FDBK)		4	1-81		
O1A 3200 CPS 4V PWR SUPPLY		4	1-87		
3200 CPS VAR PH ISS REF (BUFF)		4	1-83		
3200 CPS REF (BUFF)		4	1-82		
IRIG Ø SHIFTER OUPT (3200 CPS 0°)		4	2-85		
PIPA Ø SHIFTER OUPT (3200 CPS 45°)		4	1-86		
**SIGNAL GEN OUTPUT		7	1-76	5-1DC	
GSE FAIL IND TEST VOLTAGE		1	1-51	1-1	
FAIL IND G & N		4		7-4	
BCD 1 DIGIT 1 FR CTR (LSD)		7		4-7DC	
BUFFERED PROBE	F/P	7	1-99		
DIRECT PROBE	F/P	7	2-99		
IG TDA TEST OUTPUT		1	1-91		
MG TDA TEST OUTPUT		1	2-92		
OG TDA TEST OUTPUT		1	1-92		
TEST START LIGHT		7		7-9	
SIGNAL GEN OUTPUT (X4)		7	2-86		
CTR AUXILIARY INPUT	F/P	7			S15

**SET MONITOR TO PROPER FUNCTION (AC OR DC)

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV E

USE FOR "SERIES 100" ONLY

2900023-021	2900023-021		
2900023-011	2900023-011		
NEXT ASSY	USED ON		
APPLICATION		APPROVAL	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 1 PLACE ± 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES + — + — + — — — — — — — DO NOT SCALE THIS DRAWING MATERIAL

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE, WIS

DRAWN R. Parks 6 JAN 66 DATE
CHECKED E. Kirk 13 JAN 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL A. L. METZGER
MIT APPROVAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 5 OF 6

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG NO	DATE	APPROVED
	A	REVISED PER D061809		25 FEB 66	
	B	REVISION STATUS CHANGED	D.O.61936	15 APR 66	
	C	REVISION STATUS CHANGED		19 MAR 66	
	D	INITIAL RELEASE CLASS A PER TDRR 28889		29 MAY 66	
	E	REVISED PER TDRR 29898		6 SEP 66	

PSA TEST ADPT SIGNALS

SIGNAL	PROBE HI	PROBE LO	MULT BY
TRAY 1			
COMP 3200 PPS IN ∅ SYNC (SET)	17	26	1
COMP 3200 PPS OUT OF ∅ SYNC (RESET)	18	26	1
3200 CPS DRIVE MONITOR	11	26	10.2
2V 1% 3200 CPS MONITOR	34	26	10.2
3200 CPS 20V (A)	3	4	1
3200 CPS 20V (B)	12	4	1
IG ERROR SIG MONITOR	7	14	10.2
MG ERROR SIG MONITOR	6	14	10.2
OG ERROR SIG MONITOR	13	14	10.2
IG CDU 1X RSVR ERROR	20	21	4
MG CDU 1X RSVR ERROR	27	28	4
OG CDU 1X RSVR ERROR	35	36	4
IG TDA OUPT	2	1	1
MG TDA OUPT	9	1	1
OG TDA OUPT	10	1	1
IG SVO AMP INPUT (TEST)	23	1	1
MG SVO AMP INPUT (TEST)	24	1	1
OG SVO AMP INPUT (TEST)	31	1	1
-28V DC	33	32	1.1
TRAY 2			
120 VDC MONITOR (IRIG)	13	1	3.0
12 VDC MONITOR (IRIG)	14	1	1
COMP 800 PPS IN ∅ SYNC (SET)	2	1	1
COMP 800 PPS OUT OF ∅ SYNC (RESET)	11	1	1
800 CPS MOTOR DRIVE	9	1	2
800 CPS 1% MONITOR	10	1	10.2
800 CPS 5% ∠-90° MONITOR	17	1	10.2
800 CPS 28V IMU WHEELS ∅A 5%	18	1	10.2
32 VDC (IRIG)	15	1	1
COMP 25.6 KPPS IN ∅ SYNC (SET)	3	35	1
COMP 25.6 KPPS OUT OF ∅ SYNC (RESET)	12	35	1
25.6 KC IMU MONITOR (2V)	36	35	1
25.6 KC OPT MONITOR (2V)	28	27	1
TRAY 3			
X PIPA P PULSES	23	1	10
X PIPA N PULSES	31	1	10
Y PIPA P PULSES	24	1	10
Y PIPA N PULSES	32	1	10
X PIPA AC AMP OUPT	2	1	1
Y PIPA AC AMP OUPT	3	1	1
TRAY 4			
Z PIPA P PULSES	23	1	10
Z PIPA N PULSES	31	1	10
Z PIPA AC AMP OUPT	2	1	1
TRAY 5			
X GYRO ERROR	9	1	10.2
Z GYRO ERROR	17	1	10.2
IG CDU DAC ERROR	20	21	1
MG CDU DAC ERROR	27	28	1
OG CDU DAC ERROR	35	36	1
IG +DT UNCOND SQUARE WAVE	23	1	1
IG -DT UNCOND SQUARE WAVE	31	1	1
MG +DT UNCOND SQUARE WAVE	24	1	1
MG -DT UNCOND SQUARE WAVE	32	1	1
OG +DT UNCOND SQUARE WAVE	25	1	1
OG -DT UNCOND SQUARE WAVE	33	1	1
+DVX	2	1	1
-DVX	10	1	1
+DVY	3	1	1
-DVY	11	1	1
+DVZ	4	1	1
-DVZ	12	1	1

PSA TEST ADPT SIGNALS

SIGNAL	PROBE HI	PROBE LO	MULT BY
TRAY 6			
OPT 800 CPS DRIVE	2	1	2
OPT 800 CPS 1%	9	1	10.2
OPT 800 CPS 5% ∠-90°	10	1	10.2
IG CDU FAIL IND	26	34	1
MG CDU FAIL IND	25	34	1
OG CDU FAIL IND	33	34	1
IG CDU 16X ERROR	20	21	1.01
MG CDU 16X ERROR	27	28	1.01
OG CDU 16X ERROR	35	36	1.01
TRAY 7			
TEMP CONT BRDG EXCIT TP	18	17	1
HTR CURRENT (TELE)	23	34	1
BLO CURRENT SENSOR (TELE)	24	34	1
ACCEL TEMP IND BRDG	25	26	1
TEMP CONT AMP OUPT	31	17	1
IRIG TEMP IND BRDG	33	32	1
IRIG TEMP (TELE)	19	34	1
ACCEL TEMP (TELE)	11	34	1
ROLL ERROR BODY OFFSET AXIS	27	28	1
YAW ERROR BODY OFFSET AXIS	35	36	1
ROLL ERROR BODY AXIS	14	15	1
PITCH ERROR BODY & BODY OFFSET AXIS	20	21	1
YAW ERROR BODY AXIS	7	8	1
+120V DC PIPA SUPP MONITOR	2	1	3.04
+32V DC MONITOR (PIPA)	10	1	1
+DT TP SHAFT ENCODER	3	12	1
-DT TP SHAFT ENCODER	4	12	1
+DT TP TRUN ENCODER	5	13	1
-DT TP TRUN ENCODER	6	13	1
TRAY 8			
SXT SHAFT MDA OUTPUT ∅2	27	28	1
SCT SHAFT MDA OUTPUT ∅2	35	36	1
TRACKER PREAMP OUTPUT	8	15	1
SXT TRUN MDA INPUT	2	1	1
SCT SHAFT 1X ERROR	3	12	1
SXT SHAFT MDA INPUT	9	23	1
SXT TRUN TACH FEEDBACK	10	11	1
SXT TRUN MDA OUTPUT ∅2	20	21	1
TRACKER X DRIVE T.P.	6	13	1
TRACKER Y DRIVE T.P.	7	14	1
SXT SHAFT TACH FEEDBACK	17	24	1
SCT SHAFT TACH FEEDBACK	18	19	1
TRAY 9			
SCT TRUN MDA OUTPUT ∅2	13	14	1
SHAFT CDU MDA OUTPUT ∅2	27	28	1
TRUN CDU 16X ERROR	17	24	1
SHAFT CDU 16X ERROR	18	19	1
SHAFT CDU TACH FEEDBACK	2	1	1
SCT TRUN TACH FEEDBACK	3	12	1
TRUN CDU MDA OUTPUT ∅2	20	21	1
SCT TRUN 1X ERROR	9	23	1
CDU TRUN TACH FEEDBACK	10	11	1
X TRACKER OUTPUT	5	6	1
Y TRACKER OUTPUT	7	8	1
SCS ERROR-PITCH	37	38	1.02
SCS ERROR-YAW NORM/ENTRY	34	38	1.02
SCS ERROR-ROLL NORM/ENTRY	35	38	1.02
TRAY 10			
IMU 800 CPS 28V (BLOWERS) 5%∠-90°	34	26	10.2
+28V DC OPTICS (OPERATE)	32	31	1
AGC OPR +28V DC	2	1	1
+13V DC AGC	10	1	1
+3V DC AGC	11	1	1
PRESS TRANSDUCER 28 VDC	7	8	1
IMU PRESS. MONITOR	35	36	1
COND +20 VDC	6	5	1
COND +2.5V DC	13	14	1
+28 VDC IMU (STBY)	24	23	1
+28 VDC IMU (OPR)	17	23	1
PHOTOMETER PREAMP OUTPUT	20	21	1
+28 VDC IMU OPR BUSS A MONITOR	18	23	1
+28 VDC IMU OPR BUSS B MONITOR	19	23	1

PULSE TORQUE ELECTRONICS

SIGNAL	SW POS.
X PIPA PVR	1
X PIPA TOR CUR. MON	2
X PIPA SCALE FACTOR	3
Y PIPA PVR	4
Y PIPA TOR CUR. MON	5
Y PIPA SCALE FACTOR	6
Z PIPA PVR	7
Z PIPA TOR CUR. MON	8
Z PIPA SCALE FACTOR	9
X GYRO PVR	10
X GYRO TOR CUR. MON	11
X GYRO SCALE FACTOR	12
Y GYRO PVR	13
Y GYRO TOR CUR. MON	14
Y GYRO SCALE FACTOR	15
Z GYRO PVR	16
Z GYRO TOR CUR. MON	17
Z GYRO SCALE FACTOR	18

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
IRIG TEST	
ADSRAX X IRIG TO MG	1
ADIAX X IRIG TO OG	2
SFTGX X IRIG TO OG	3
ADSRAZ Z IRIG TO MG	4
ADIAZ Z IRIG REVERSED TO MG	5
ADIAZ Z IRIG TO MG	6
SFTGZ Z IRIG TO MG	7
Y IRIG	8
INTERFACE LOAD TEST	
NOT USED	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
NOT USED	5-11
FAILURE IND TEST	
800 CPS WH PWR	1
3.2 KC DUCOSYN PWR	2
800 CPS CDU PWR	3
25.6 KC ENCODER PWR	4
IG SERVO ERROR	5
MG SERVO ERROR	6
OG SERVO ERROR	7
IG SERVO ERROR FAIL TEST	8
MG SERVO ERROR FAIL TEST	9
OG SERVO ERROR FAIL TEST	10
X PIPA ERROR	11
Y PIPA ERROR	12
Z PIPA ERROR	13
X PIPA ERROR FAIL TEST	14
Y PIPA ERROR FAIL TEST	15
Z PIPA ERROR FAIL TEST	16
AGC FAIL TEST	17
AGC SPARE FAIL TEST	18
AGC PWR SUPPLY FAIL TEST	19
NOT USED	20-23

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
G&N POWER HIGH	4
G&N POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11
CONTINUITY TEST	
ATTITUDE DISABLE SIG	1
SPACECRAFT LAMP TEST	2
PITCH UP	3
PITCH DOWN	4
YAW RIGHT	5
YAW LEFT	6
ROLL RIGHT	7
ROLL LEFT	8
NOT USED	9-11

SIMULATED JUNCTION BOX TEST POINTS

SIGNAL	TEST JACK
CDU FAIL HI } 102.4 KC	J41
CDU FAIL LO }	J42
IMU FAIL HI } 102.4 KC	J43
IMU FAIL LO }	J44
ACCEL FAIL HI } 102.4 KC	J45
ACCEL FAIL LO }	J46
STAR PRESENCE HI } 102.4 KC	J47
STAR PRESENCE LO }	J48

(READ VIA PULSE PROBE ON TPA)

PIPA FAIL TEST SWITCHES
X,Y,Z, PIPA NORMAL/TEST

POSITION	FUNCTION
NORMAL	PIPA ERROR SIGNALS ROUTED TO XBARS & MSI, AND BACK TO AIRBORNE.
TEST	PIPA ERROR SIGNALS SWITCHED IN SJB DIRECTLY TO AIRBORNE FAIL CIRCUIT (GSE MON BYPASSED).

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A & B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS Q∅	1
800 CPS VAR ∅	2
3200 CPS Q∅	3
3200 CPS VAR ∅	4
800 CPS OPT Q∅	5
AUX INPUT (A SCOPE)	9 @ AIP F/P

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV E

USE FOR "SERIES 100" ONLY

2900023-021 / 2900023-011	2900023-021 / 2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± — 3 PLACE DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. Parker DATE 6 JAN 66
CHECKED [illegible] DATE 17 JAN 66
APPROVAL [illegible] DATE [illegible]
CONTRACT NAS 9-497
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO 99974 | 2901077
SCALE — | SHEET 6 OF 6

2901077 REV E

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D061809		9-28-66	RJ
	B	REVISION STATUS CHANGED	D06193	5 JAN 67	EC
	C	REVISED		19 APRIL 67	
	D	INITIAL RELEASE CLASS A PER TDRR 28649		7-21-67	AF
	E	REVISED PER TDRR 29898		4 JUL 68	PMG
	F	REVISED PER TDRR 30206		8-6-68	

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	RSS	CTR"D"	
+4 VDC CDU TP	7		1-18			
+14 VDC ISS CDU	1		1-67			
28 VDC G&N (FROM IMU)	4		1-00			
+28 VDC IMU OPERATE (I/F ONLY)	4		2-69			
+28 VDC STBY	4		1-20	7-11		
+28 VDC IMU OPERATE	4		2-20	4-4DC		
-28 VDC	4	1.1	1-24	3-4DC		
120 VDC PIP	4		2-59			
400 CPS 60-70 V(MON)	7		2-50			S7
400 CPS 5(MON)	7		2-65			
800 CPS 28V 1% IMU	4		1-21	6-6AC		S1
800 CPS 28V 5% IMU WHEEL βA	1		1-22	6-7AC		
800 CPS 28V 5% IMU WHEEL βB	1		2-22			
3200 CPS 28V 1%	4		1-60			
3200 CPS 28V (TO RSS BUFF AMP)	4		1-23	5-7AC		S5
BLOWER CURRENT SENSOR	1		1-66	4-10AC		
IMU HEATER CURRENT	1		2-56	3-1DC		
ACCEL TEMP	4		2-55	3-3DC		
IRIG TEMP	4		1-56	4-3DC		
X PIPA G/S OUTPUT (B/A 1 V/V)	4		2-51	6-1AC		
Y PIPA G/S OUTPUT (B/A 1 V/V)	4		1-52	5-1AC		
Z PIPA G/S OUTPUT (B/A 1 V/V)	4		2-52	4-1AC		
PIPA LOOPS INHIBIT COMMAND	1			8-9		
X GYRO ERROR (B/A 1 V/V)	1		2-33	2-1		
Z GYRO ERROR (B/A 1 V/V)	1		2-34	3-1AC		
IMU IG AND Y GYRO ERROR (B/A 1 V/V)	4		1-35	1-2		
IG TORQ MTR (VOLTAGE)	4		1-38	8-1		
IMU MG ERROR (B/A 1 V/V)	4		1-34	2-2		
MG TORQ MTR (VOLTAGE)	4		1-37	7-2		
IMU OG ERROR (B/A 1 V/V)	4		1-33	3-2AC		
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC		
IG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-29	1-5		
MG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-28	2-5		
OG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-27	3-5AC		
SIN AIG 16X (B/A 1 V/V)	1		1-50	6-4AC		
SIN AIG 16X (B/A 5.6 V/V)	1	.179	1-39	5-6AC		
COS AIG 16X (B/A 1 V/V)	1		2-49			
COS AIG 16X (B/A 5.6 V/V)	1	.179	2-39	4-6AC		
SIN AIG 1X	4		1-44	4-7AC		
COS AIG 1X	4		2-43			
SIN AMG 16X (B/A 1 V/V)	1		1-49	5-4AC		
SIN AMG 16X (B/A 5.6 V/V)	1	.179	1-40	1-6		
COS AMG 16X (B/A 1 V/V)	1		2-48			
COS AMG 16X (B/A 5.6 V/V)	1	.179	2-40	2-6		
SIN AMG 1X	4		1-43	3-7AC		
COS AMG 1X	4		2-42			
SIN AOG 16X (B/A 1 V/V)	1		1-48	4-4AC		
SIN AOG 16X (B/A 5.6 V/V)	1	.179	1-41	3-6AC		
COS AOG 16X (B/A 1 V/V)	1		2-47			
COS AOG 16X (B/A 5.6 V/V)	1	.179	1-29	1-7		
SIN AOG 1X	4		1-42	2-7		
COS AOG 1X	4		2-41			
AUX HEATER VOLTAGE	4		2-25			
AUX HEATER CURRENT	4		1-58			
TEMP WITHIN LIMITS	1			5-3DC		
SIGNAL CONDITIONER (GDB STEPPER)	2		2-71	8-4		
CONTINUITY TEST MONITOR	5		2-91			
28V 800CPS 1% (SCS REF)	7		1-19	6-8AC		

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

ISS PULSE SIGNAL

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	A	B
+IG CDU ΔΘ1(TO CTR VIA CMS)	1	J2-G	P4	4 & 18	
-IG CDU ΔΘ1(TO CTR VIA CMS)	1	J2-H	P4	19	4
+IG CDU SET (CMS)	1		P7	7	18
-IG CDU SET (CMS)	1		P7		7 & 19
+MG CDU ΔΘ1(TO CTR VIA CMS)	1	J2-J	P5	5 & 20	
-MG CDU ΔΘ1(TO CTR VIA CMS)	1	J2-K	P5	21	5
+MG CDU SET (CMS)	1		P8	8	20
-MG CDU SET (CMS)	1		P8		8 & 21
+OG CDU ΔΘ1(TO CTR VIA CMS)	1	J2-L	P6	6 & 22	
-OG CDU ΔΘ1(TO CTR VIA CMS)	1	J2-M	P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
X PIPA +ΔV	1		P10	10	
X PIPA -ΔV	1		P10		10
Y PIPA +ΔV	1		P11	11	
Y PIPA -ΔV	1		P11		11
Z PIPA +ΔV	1		P12	12	
Z PIPA -ΔV	1		P12		12
PULSE PROBE (TPA NO.2)	7	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	7		P14		
+ AUXILIARY INPUT JACK	7	F/P	S15	15	
- AUXILIARY INPUT JACK	7	F/P	S15		15
TORQUE SET (GCP)	1		P22		
B SCOPE INPUT CHI	7	J1-A			
B SCOPE INPUT CHI	7	J1-C			
A SCOPE INPUT	7	J1-E			
DELAY LINE IN	7	J1-K			
DELAY LINE OUT	7	J1-M			
PX VELOCITY PULSE	1	J3-G			
NX VELOCITY PULSE	1	J3-H			
PY VELOCITY PULSE	1	J3-J			
NY VELOCITY PULSE	1	J3-K			
PZ VELOCITY PULSE	1	J3-L			
NZ VELOCITY PULSE	1	J3-M			
800 PPS 0°	1	J4-B			
3.2 KPPS 0°	1	J4-C			
PULSE PROBE (TPA NO.1)	4	J4-E			
	7				

OPTICS SIGNALS

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	RSS	CTR"D"
+14 VDC OPTICS/RR CDU		3	2-68		
28 VDC OPTICS		5	2-00	4-9DC	
800 CPS 28V 1% (OPTICS)		5	1-01	6-13AC	S2
SXT RETICLE LAMP POWER		3	2-67		
+X OPT CDU SET(CMS)		3			P-18
-X OPT CDU SET(CMS)		3			P-19
+Y OPT CDU SET(CMS)		3			P-20
-Y OPT CDU SET(CMS)		3			P-21
TRACKER X OUTPUT (TRUN)		5	2-13	4-8AC	
TRACKER Y OUTPUT (SHAFT)		5	1-13	3-8AC	
CDU SHAFT FINE ERROR (B/A 1 V/V)	1.01	5	2-05	6-11AC	
CDU TRUN FINE ERROR (B/A 1 V/V)	1.01	5	2-06	5-12AC	
SCT SHAFT MDA P/A MON (B/A 1 V/V)	1.01	5	2-10	4-13AC	
SCT SHAFT MDA O/P MON β1		5	1-10	3-13AC	
SCT TRUN MDA P/A MON (B/A 1 V/V)	1.01	5	1-03	4-12AC	
SCT TRUN MDA OUTPUT MON β1		5	2-02	6-5 AC	
SCT TRUN MDA TACH MON (B/A)*	1.01,.1	5	1-05	5-11AC	
SXT SHAFT MDA OUTPUT MON β1		5	1-14	1-8	
SXT SHAFT MDA P/A MON (B/A 1 V/V)	1.01	5	2-03	2-13	
SXT SHAFT MDA TACH MON(B/A)*	1.01,.1	5	2-07	1-12	
SXT TRUN MDA OUTPUT β1		5	2-14	5-8 AC	
SXT TRUN MDA P/A MON (B/A 1 V/V)	1.01	5	1-06	6-12AC	
SXT TRUN MDA TACH MON(B/A)*	1.01,.1	5	2-09	2-12	
MARK		3		8-5	
SCT SHAFT MDA TACH MON(B/A 1 V/V)	1.01	5	2-04	1-13	

* B/A 1 V/V OR 10 V/V

OPTICS PULSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	CTR D	A	B
SHAFT+Δθ (TO CTR VIA CMS)	J3-C	3	P-16	16	
SHAFT-Δθ1(TO CTR VIA CMS)	J3-D	3	P-16		16
TRUN+Δθ1(TO CTR VIA CMS)	J3-A	3	P-17	17	
TRUN-Δθ1(TO CTR VIA CMS)	J3-B	3	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	RSS	CTR"D"
+28 VDC COMP T.P.	2	1-93		
+14 VDC COMP T.P.	2	2-93		
+4 VDC COMP T.P.	2	1-94		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RD	2		3-14DC	

GSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	LOCATION XBAR	RSS	CTR"D"
+3 VDC (CMPTR SIMULATOR)	6		2-78		
+13 VDC STBY (CMPTR SIMULATOR)	6		1-78		
+27 VDC 01A ON (RLP)	7		1-79	6-11DC	
+28 VDC G&N	7		1-71	8-11	
+28 VDC STBY BUSS A	4		1-72		
+28 VDC STBY BUSS B	4		2-72		
+28 VDC IMU BUSS A	4		1-73		
+28 VDC IMU BUSS B	4		2-73		
+28 VDC OPT BUSS A	5		1-74		
+28 VDC OPT BUSS B	5		2-74		
+28 VDC AGC BUSS A	2		1-75		
+28 VDC AGC BUSS B	2		2-75		
+30 VDC GSE PWR	7		1-70	4-11DC	
-30 VDC GSE PWR	7		2-70	3-11DC	
115V 60 CPS βA 01A ON	7		2-79		
115V 60 CPS βB 01A ON	7		1-80		
115V 60 CPS βC 01A ON	7		2-80		
400 CPS 115V Ωβ (GSE)	7		2-77		
115V 400 CPS πβ (GSE)	7		1-85		
400 CPS 115V (A/B)	7		1-77		
800 CPS 0° ISS REF (B/A)	4		2-81		
800 CPS 90° ISS REF (B/A)	4		2-82		
800 CPS Ωβ OPT REF (B/A)	5		1-84		
800 CPS 90° OPT REF (B/A)	5		2-84		
800 CPS VAR PH REF (B/A)	4		2-83		
3200 CPS 28.5V FEEDBACK	7		1-81		
01A 3200 CPS 30V PWR SUPPLY	7		1-87		
3200 CPS REF (B/A)	4		1-82		
3200 CPS VAR PH ISS REF (B/A)	4		1-83		
IRIG β SHIFTER OUPT (3200 CPS 0°)	4		2-85		
PIPA β SHIFTER OUPT (3200 CPS 45°)	4		1-86		
SIGNAL GEN OUTPUT	7		1-76	5-1DC	
BCD 1 DIGIT 1 FR CTR (LSD)	7			4-7DC	
IG TDA TEST OUTPUT	1		1-91		
MG TDA TEST OUTPUT	1		2-92		
OG TDA TEST OUTPUT	1		1-92		
TEST START LIGHT (COMMD)	4			7-9	
SIGNAL GEN OUTPUT (X4)	7		2-86		
BUFFERED PROBE (TPA NO.1)	4	J4-M	1-98		
BUFFERED PROBE (TPA NO.2)	7	F/P	1-99		
DIRECT PROBE (TPA NO.1)	4	J4-L	2-98		
DIRECT PROBE (TPA NO.2)	7	F/P	2-99		
CTR AUXILIARY INPUT	7	F/P			S15
X PIP+28 VDC PWR	4		1-95		
Y PIP+28 VDC PWR	4		2-95		
Z PIP+28 VDC PWR	4		1-96		

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A&B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS Ωβ	1
800 CPS VAR β	2
3200 CPS Ωβ	3
3200 CPS VAR β	4
800 CPS OPT Ωβ	5
AUX INPUT (A SCOPE)	9 & AIP F/P

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV F

USE FOR BLOCK II ONLY

2900025-021	2900025-021
2900023-011	2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE DECIMALS DECIMALS ANGLES ± ± ±

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN G. Hanson 6 JAN 66 DATE

CHECKED

APPROVAL

CONTRACT NAS 9-497

NASA APPROVAL A. C. MITCHELL

MIT APPROVAL

MANNED SPACECRAFT CENTER HOUSTON TEXAS

GSE SIGNAL SELECTION LIST

SIZE	CODE IDENT NO.	
E	99974	2901077

SCALE — SHEET 1 OF 6

ZONE	LTR	REVISIONS DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER DO8/80?		2-10-66	
	B	REVISION STATUS CHANGED	20419	2-15-66	
	C	REVISION STATUS CHANGED		4-19-66	
	D	INITIAL RELEASE CLASS A PER TDRR 28689		5-2-66	
(2)	E	REVISED PER TDRR 29898		9-14-66	PHG
	F	REVISED PER TDRR 32066		2-24-67	

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	RSS	CTR"D"
+4 VDC CDU TEST POINT	4		1-18		
+14 VDC ISS CDU	1		1-67		
28 VDC G&N (FROM IMU)	4		1-00		
+28 VDC IMU OPERATE (I/F ONLY)	4		1-69		
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU OPERATE	4		2-20	4-4DC	
-28 VDC (TPA)	4	1.1	1-24	3-4DC	
120 VDC PIP	4		2-59		
400 CPS 60-70V(MON)	4		2-50		S7
800 CPS 28V 1% IMU	4		1-21	6-4AC	S1
400 CPS 5V(MON)	4		2-65		
800 CPS 28V 5% IMU WHEEL ∫A	1		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL ∫B	1		2-22		
3200 CPS 28V 1%	4		1-60		
3200 CPS 28v (TO RSS BUFF AMP)	4		1-23	5-7AC	S5
BLOWER CURRENT SENSOR	1		1-66	4-10AC	
IMU HEATER CURRENT	1		2-58	3-1DC	
ACCEL TEMP	4		2-55	3-3DC	
IRIG TEMP	4		1-56	4-3DC	
X PIPA G/S OUTPUT(B/A I V/V)	4		2-51	6-1AC	
Y PIPA G/S OUTPUT(B/A I V/V)	4		1-52	5-1AC	
Z PIPA G/S OUTPUT(B/A I V/V)	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	4			8-9	
X GYRO ERROR(B/A I V/V)	1		2-33	2-1	
Z GYRO ERROR(B/A I V/V)	1		2-34	3-1AC	
IMU IG AND Y GYRO ERROR (B/A I V/V)	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IMU MG ERROR(B/A I V/V)	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
IMU OG ERROR(B/A I V/V)	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
IG CDU FINE ERROR (B/A I V/V)	4	1.01	2-29	1-5	
MG CDU FINE ERROR (B/A I V/V)	4	1.01	2-28	2-5	
OG CDU FINE ERROR (B/A I V/V)	4	1.01	2-27	3-5AC	
SIN AIG 16X (B/A I V/V)	1		1-50	6-4AC	
SIN AIG 16X (B/A 5.6 V/V)	1	.179	1-39	5-6AC	
COS AIG 16X (B/A I V/V)	1		2-49		
COS AIG 16X (B/A 5.6 V/V)	1	.179	2-39	4-6AC	
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (B/A I V/V)	1		1-49	5-4AC	
SIN AMG 16X (B/A 5.6 V/V)	1	.179	1-40	1-6	
COS AMG 16X (B/A I V/V)	1		2-48		
COS AMG 16X (B/A 5.6 V/V)	1	.179	2-40	2-6	
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (B/A I V/V)	1		1-48	4-4AC	
SIN AOG 16X (B/A 5.6 V/V)	1	.179	1-41	3-6AC	
COS AOG 16X (B/A I V/V)	1		2-47		
COS AOG 16X (B/A 5.6 V/V)	1	.179	1-29	1-7	
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
AUX HEATER VOLTAGE	4		2-25		
AUX HEATER CURRENT	4		1-58		
TEMP OUT OF LIMITS	2		1-68		
TEMP WITHIN LIMITS	1			5-3DC	
SIG CONDITIONER (GDB STEPPER)	2		2-71	8-4	
X PIP 28 VDC PWR	4		1-95		
Y PIP 28 VDC PWR	4		2-95		
Z PIP 28 VDC PWR	4		1-96		
28V 800CPS 1% (SCS REF)	4		1-19	6-8AC	

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

ISS PULSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU△⊖	1	J2-G	P4	4 & 18	
-IG CDU△⊖	1	J2-H	P4	19	4
+IG CDU SET(CMS)	1		P7	7	18
-IG CDU SET (CMS)	1		P7		7 & 19
+MG CDU△⊖	1	J2-J	P5	5 & 20	
-MG CDU△⊖	1	J2-K	P5	21	5
+MG CDU SET(CMS)	1		P8	8	20
-MG CDU SET(CMS)	1		P8		8 & 21
+OG CDU△⊖	1	J2-L	P6	6 & 22	
-OG CDU△⊖	1	J2-M	P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
X PIPA +△V	1		P10	10	
X PIPA -△V	1		P10		10
Y PIPA +△V	1		P11	11	
Y PIPA -△V	1		P11		11
Z PIPA +△V	1		P12	12	
Z PIPA -△V	1		P12		12
PULSE PROBE (TPA 2)	4	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	4		P14		
+ AUXILIARY INPUT JACK	4		S15	15	
- AUXILIARY INPUT JACK	4		S15		15
TORQUE SET (GCP)	1		P22		
B SCOPE INPUT CH 1	4	J1-A			
B SCOPE INPUT CH 1	4	J1-C			
A SCOPE INPUT	4	J1-E			
DELAY LINE IN	4	J1-K			
DELAY LINE OUT	4	J1-M			
IG +△θ ABORT	4	J2-A			
IG -△θ ABORT	4	J2-B			
MG +△θ ABORT	4	J2-C			
MG -△θ ABORT	4	J2-D			
OG +△θ ABORT	4	J2-E			
OG -△θ ABORT	4	J2-F			
+AZ/SHAFT CDU△⊖	1	J3-A			
-AZ/SHAFT CDU△⊖	1	J3-B			
+EL/TRUN CDU△⊖	1	J3-C			
-EL/TRUN CDU△⊖	1	J3-D			
PX VELOCITY PULSE	1	J3-G			
NX VELOCITY PULSE	1	J3-H			
PY VELOCITY PULSE	1	J3-J			
NY VELOCITY PULSE	1	J3-K			
PZ VELOCITY PULSE	1	J3-L			
NZ VELOCITY PULSE	1	J3-M			
CDU CLOCK (51.2 KPPS)	1	J4-A			
800 PPS 0°	1	J4-B			
3.2 KPPS 0°	1	J4-C			
PULSE PROBE (FROM TPA NO.1)	4	J4-E			
CDU ZERO ABORT	4	J4-G			

OPTICS SIGNALS

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	RSS	CTR"D"
+14 VDC OPTICS/RR CDU		1	2-68		
28 VDC OPTICS HTR PWR		2	2-67		
RETICLE LAMP VOLTAGE		2	1-69		
CDU SHAFT FINE ERROR(B/A I V/V)	1.01	4	2-05	6-11AC	
CDU TRUN FINE ERROR(B/A I V/V)	1.01	4	2-06	5-12AC	
+X OPT CDU SET (CMS)		1			P-18
-X OPT CDU SET (CMS)		1			P-19
+Y OPT CDU SET (CMS)		1			P-20
-Y OPT CDU SET (CMS)		1			P-21

OPTICS PULSE SIGNALS

SIGNAL	SIG AVAIL	CTR D	CTR A	CTR B
+X OPT (SHAFT)(CDU△⊖)	1	P-16	16	
-X OPT (SHAFT)(CDU△⊖)	1	P-16		16
+Y OPT (TRUN)(CDU△⊖)	1	P-17	17	
-Y OPT (TRUN)(CDU△⊖)	1	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	RSS	CTR"D"
+28 VDC COMP T.P.	2	1-93		
+14 VDC COMP T.P.	2	2-93		
+4 VDC COMP T.P.	2	1-94		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RZ	2		3-14DC	

GSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	LOCATION XBAR	RSS	CTR"D"
+3 VDC (COMPTR SIMULATOR)	1		2-78		
+13 VDC STBY (COMPTR SIMULATOR)	1		1-78		
+27 VDC OIA ON (RLP)	4		1-79	6-11DC	
+28 VDC G&N	4		1-71	8-11	
+28 VDC STBY BUSS A	4		1-72		
+28 VDC IMU BUSS A	4		1-73		
+28 VDC AGC BUSS A	2		1-75		
+30 VDC GSE PWR	4		1-70	4-11DC	
-30 VDC GSE PWR	4		2-70	3-11DC	
115V 60 CPS ∫A OIA ON	4		2-79		
115V 60 CPS ∫B OIA ON	4		1-80		
115V 60 CPS ∫C OIA ON	4		2-80		
400 CPS 115V O∫ (GSE)	4		2-77		
115V 400 CPS ∫B (GSE)	4		1-85		
400 CPS 115V (A/B)	4		1-77		
800 CPS 0° ISS REF (B/A)	4		2-81		
800 CPS 90° ISS REF (B/A)	4		2-82		
800 CPS VAR PH REF (B/A)	4		2-83		
3200 CPS 28.5V FDBK	4		1-81		
OIA 3200 CPS 30V PWR SUPPLY	4		1-87		
3200 CPS VAR PH ISS REF (B/A)	4		1-83		
3200 CPS REF (BUFF) (B/A)	4		1-82		
IRIG ∫ SHIFTER OUPT (3200 CPS 0°)	4		2-85		
PIPA ∫ SHIFTER OUPT (3200 CPS 45°)	4		1-86		
SIGNAL GEN OUTPUT	4		1-76	5-1 DC	
BCD 1 DIGIT 1 FR CTR (LSD)	4			4-7 DC	
IG TDA TEST OUTPUT	1		1-91		
MG TDA TEST OUTPUT	1		2-92		
OG TDA TEST OUTPUT	1		1-92		
TEST START LIGHT (COMMD)	4			7-9	
SIGNAL GEN OUTPUT (X4)	4		2-86		
BUFFERED PROBE (TPA NO.1)	4	J4-M	1-98		
BUFFERED PROBE (TPA NO.2)	4	F/P	1-99		
DIRECT PROBE (TPA NO.1)	4	J4-L	2-98		
DIRECT PROBE (TPA NO.2)	4	F/P	2-99		
CTR AUXILIARY INPUT	7	F/P			S15

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A & B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS O∫	1
800 CPS VAR ∫	2
3200 CPS O∫	3
3200 CPS VAR ∫	4
800 CPS OPT O∫	5
AUX INPUT(A SCOPE)	9 & AIP F/P

2901077 REV F

USE FOR LEM ONLY

2900023-021 2900023-011	2900023-021 2900023-011	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE DECIMALS DECIMALS ANGLES + — + — — — — — DO NOT SCALE THIS DRAWING MATERIAL	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS
NEXT ASSY	USED ON		DRAWN R.D. Smith 6 JAN 66 DATE
APPLICATION		APPROVAL	CHECKED [illegible] 17 JAN 66
			APPROVAL [illegible] 2/4/66
			CONTRACT NAS 9-497
			NASA APPROVAL A.C. METZGER
			MIT APPROVAL [illegible] 2/15/66

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 3 OF 6

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D061809	29748	6 JAN 66	
	B	REVISED PER D.O. 61936		3 FEB 66	
	C	REVISED		18 MARCH 66	
	D	INITIAL RELEASE CLASS A PER TDRR 28669		5 MAY 66	
	E	REVISED PER TDRR 29898		6 JUL 66	PHG
	F	REVISED PER TDRR 30206		29 AUG 66	

TEST POINT ADAPTER NO.1 SIGNALS

PIPA & IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
X PIPA PVR	4	1
X PIPA TORQUE CURRENT MONITOR	4	2
X PIPA SCALE FACTOR	4	3
Y PIPA PVR	4	4
Y PIPA TORQUE CURRENT MONITOR	4	5
Y PIPA SCALE FACTOR	4	6
Z PIPA PVR	4	7
Z PIPA TORQUE CURRENT MONITOR	4	8
Z PIPA SCALE FACTOR	4	9
IRIG PVR	4	10
IRIG TORQUE CURRENT MONITOR	4	11
IRIG SCALE FACTOR	4	12

PROBED SIGNALS	MULT BY	SIG AVAIL	HI	LO(BLK)
+20 VDC		4	TB1-9 (GRN)	TB1-10
-20 VDC		4	TB1-11(GRN)	TB1-10
X PIP G/S OUTPUT	1.01	4	TB1-17(RED)	TB1-18
Y PIP G/S OUTPUT	1.01	4	TB1-15(RED)	TB1-16
Z PIP G/S OUTPUT	1.01	4	TB1-13(RED)	TB1-14
X PIP PX	8	4	TB1-19(BLU)	TB1-18
X PIP NX	8	4	TB1-22(BLU)	TB1-18
Y PIP PY	8	4	TB1-20(BLU)	TB1-16
Y PIP NY	8	4	TB1-23(BLU)	TB1-16
Z PIP PZ	8	4	TB1-21(BLU)	TB1-14
Z PIP NZ	8	4	TB1-24(BLU)	TB1-14

PROBE ROUTING (TPA NO.1)

1. BUFFERED PROBE J7 HI(RED) TO XBAR 1-98 & AIP(J4-M); J8 LO(BLK)
2. DIRECT PROBE J5 HI(GRN) TO XBAR 2-98 & AIP(J4-L); J6 LO(BLK)
3. PULSE PROBE J3 HI(COAX) TO AIP(J4-E); J4 LO(BLK)

TEST POINT ADAPTER NO.2 SIGNALS

SWITCHES

IRIG S/F MONITOR - USE FOR BLK II ONLY

OPT/ISS SWITCH

POSITION	SIGNAL ROUTING
ISS	(1) MG CDU FINE ERROR TO TPA AMP, TO XBAR 2-28, & RSS 2-5
	(2) OG CDU FINE ERROR TO TPA AMP, TO XBAR 2-27, & RSS 3-5 AC
OPT	NOT USED

SERVO TEST SWITCH

MOMENTARY ON POSITION--ROUTES 5 VDC TO TB5-18(GRN) AND 10 VDC TO TB5-27(GRN)

PROBE ROUTING (TPA NO.2)

1. BUFFERED PROBE J7 HI(RED) TO XBAR 1-99 & J8 LO(BLK) AIP BUFFERED PROBE OUT
2. DIRECT PROBE J9 HI(GRN) TO XBAR 2-99 & J10 LO(BLK) AIP DIRECT PROBE OUT
3. PULSE PROBE J5 HI(COAX) TO AIP(J4-F), D PULSE J6 LO(BLK) SW POS 13, & A-B SW (POS 13) DECK A

PROBED SIGNALS (WITHOUT SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	4	TB2-43(GRN)	TB2-18	1
4 VDC COMPTR TP	2	TB2-27(GRN)	TB2-25	1
14 VDC COMPTR TP	2	TB2-26(GRN)	TB2-25	1
27 VDC RLP OIA ON	4	TB2-37(GRN)	TB2-40	1
+28 VDC COMPTR TP	2	TB2-28(GRN)	TB2-25	1
28 VDC G&N	4	TB2-36(GRN)	TB5-22	1
+28 VDC IMU OPERATE	4	TB1-22(GRN)	TB5-22	2.8
+28 VDC IMU STANDBY	4	TB1-29(GRN)	TB5-22	1
-28 VDC TP	4	TB5-19(GRN)	TB5-22	1
+30 VDC GSE	4	TB2-38(GRN)	TB2-42	1
-30 VDC GSE	4	TB2-39(GRN)	TB2-42	1

TPA NO.1 IS THE PTA/PEA-TPA; TPA NO.2 IS THE PSA-TPA.
WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

PROBED SIGNALS (WITHOUT SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
800 CPS 28V 5% ØA TP	2	TB5-37(RED)	TB5-33	10.2
800 CPS 28V 5% ØB TP	2	TB5-29(RED)	TB5-33	10.2
800 CPS P/S TEMP	4	TB5-12(GRN)	TB5-13	1
3.2 KPPS	2	TB1-6 (BLU)	TB1-9	2
IG COARSE ERR TP (CDU)	4	TB2-47(RED)	TB2-18	1.01
MG COARSE ERR TP (CDU)	4	TB2-41(RED)	TB2-18	1.01
OG COARSE ERR TP (CDU)	4	TB2-35(RED)	TB2-18	1.01
IG FINE ERR TP (CDU)	4	TB3-37(RED)	TB3-34	1.01
MG FINE ERR TP (CDU)	4	TB3-38(RED)	TB3-34	1.01
OG FINE ERR TP (CDU)	4	TB3-41(RED)	TB3-34	1.01
IG TM CURRENT TP	4	TB2-31(GRN)	TB1-49	1
MG TM CURRENT TP	4	TB2-32(GRN)	TB1-49	1
OG TM CURRENT TP	4	TB1-45(GRN)	TB1-49	1
IG SERVO AMP TEST INPUT	4	TB2-11(RED)	TB2-7	1
MG SERVO AMP TEST INPUT	4	TB2-10(RED)	TB2-7	1
OG SERVO AMP TEST INPUT	4	TB2-4 (RED)	TB2-7	1
IG AC D/A ERROR TO FDAI	2	TB1-24(RED)	TB1-28	1.01
MG AC D/A ERROR TO FDAI	2	TB1-21(RED)	TB1-25	1.01
OG AC D/A ERROR TO FDAI	2	TB1-19(RED)	TB1-23	1.01
IG AC D/A ERR TO FDAI (LOADED)	4	TB4-45(RED)	TB4-49	1.01
MG AC D/A ERR TO FDAI (LOADED)	4	TB4-44(RED)	TB4-48	1.01
OG AC D/A ERR TO FDAI (LOADED)	4	TB4-43(RED)	TB4-47	1.01
AZ/SHAFT FINE ERROR (BUFF)	4	TB3-23 RED	TB3-34	1.01
EL/TRUN FINE ERROR(BUFF)	4	TB3-22 RED	TB3-34	1.01
SIN AIG 1X	2	TB1-33(RED)	TB1-32	1.01
COS AIG 1X	2	TB1-35(RED)	TB1-34	1.01
SIN AMG 1X	2	TB1-37(RED)	TB1-36	1.01
COS AMG 1X	2	TB1-39(RED)	TB1-38	1.01
SIN AOG 1X	2	TB1-41(RED)	TB1-40	1.01
COS AOG 1X	2	TB1-46(RED)	TB1-42	1.01
AZ/SHAFT COARSE ERR TP (CDU)	4	TB2-34(RED)	TB2-18	1.01
AZ/SHAFT FINE ERR (CDU)	4	TB3-33(RED)	TB3-34	1.01
AZ/SHAFT SIN 16X	4	TB1-43(RED)	TB1-47	1.01
AZ/SHAFT COS 16X	4	TB1-44(RED)	TB1-48	1.01
AZ/SH AC D/A TO FDAI (LOADED)	4	TB4-42(RED)	TB4-46	1.01
AZ/SHAFT SIN 1X	4	TB4-30(RED)	TB4-31	1.01
AZ/SHAFT COS 1X	4	TB4-22(RED)	TB4-23	1.01
EL/TRUN COARSE ERR TP (CDU)	4	TB2-33(RED)	TB2-18	1.01
EL/TRUN FINE ERR (CDU)	4	TB3-30(RED)	TB3-34	1.01
EL/TRUN SIN 16X	4	TB2-12(RED)	TB2-15	1.01
EL/TRUN COS 16X	4	TB2-13(RED)	TB2-16	1.01
EL/TR AC D/A TO FDAI (LOADED)	4	TB4-37(RED)	TB4-41	1.01
EL/TRUN SIN 1X	4	TB4-26(RED)	TB4-27	1.01
EL/TRUN COS 1X	4	TB4-24(RED)	TB4-25	1.01
TEMP MON 1	2	TB5-14(GRN)	TB5-15	1
PIPA CAL MOD TEMP	4	TB1-31(GRN)	TB1-27	1
HEATER TELEMETRY DISCRETE	2	TB4-21(GRN)	TB5-22	1
BLOWER TELE DISCRETE	2	TB4-20(RED)	TB5-33	1
FORWARD VELOCITY	4	TB4-29(GRN)	TB4-33	1
LATERAL VELOCITY	4	TB4-28(GRN)	TB4-32	1
UPLINK 0	2	TB1-12(BLU)	TB1-15	2
UPLINK 1	2	TB1-13(BLU)	TB1-17	2
SERVO TEST 5 VDC	4	TB5-18(GRN)	TB2-7	1
SERVO TEST 10 VDC	4	TB5-27(GRN)	TB2-7	1
SERVO TEST 5 VDC (MONITOR)	4	TB5-10(GRN)	TB2-7	1
SERVO TEST 10 VDC (MONITOR)	4	TB5-11(GRN)	TB2-7	1

PROBED SIGNALS (WITH SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
Y PIPA G/S OUTPUT	2	TB2-20(RED)	TB2-23	1.01
Z PIPA G/S OUTPUT	2	TB2-21(RED)	TB2-24	1.01
AZ/SHAFT COARSE ERROR TP (CDU)	2	TB2-34(RED)	TB2-18	1.01
AZ/SHAFT FINE ERROR TP (CDU)	2	TB3-33(RED)	TB3-34	1.01
EL/TRUN COARSE ERROR TP (CDU)	2	TB2-33(RED)	TB2-18	1.01
EL/TRUN FINE ERROR TP (CDU)	2	TB3-30(RED)	TB3-34	1.01
PIPA CAL MOD TEMP	2	TB1-31(GRN)	TB1-27	1
TEMP MON 1 (COMP)	2	TB5-14(GRN)	TB5-15	1
IRIG TEMP	2	TB5-16(GRN)	TB5-17	1
EL/TRUN FINE ERR TP(CDU)(B/A)	2	TB3-22(RED)	TB3-34	1.01
AZ/SH FINE ERR TP(CDU)(B/A)	2	TB3-23(RED)	TB3-34	1.01
IG SERVO ERROR TP	2	TB5-32(GRN)	TB5-40	1.01
MG SERVO ERROR TP	2	TB5-41(GRN)	TB5-40	1.01
OG SERVO ERROR TP	2	TB5-31(GRN)	TB5-40	1.01
HEATER TELEMETRY DISCRETE	4	TB4-21(GRN)	TB5-22	1
BLOWER TELEMETRY DISCRETE	4	TB4-20(RED)	TB5-33	1
UPLINK 0	2	TB1-12(BLU)	TB1-15	2
UPLINK 1	2	TB1-13(BLU)	TB1-17	2
+30 VDC GSE	2	TB2-38(GRN)	TB2-42	1
-30 VDC GSE	2	TB2-39(GRN)	TB2-42	1
27 VDC RLP OIA ON	2	TB2-37(GRN)	TB2-40	1
28 VDC G/N	2	TB2-36(GRN)	TB5-22	1
SERVO TEST 5 VDC	2	TB5-18(GRN)	TB2-7	1
SERVO TEST 10 VDC	2	TB5-27(GRN)	TB2-7	1
SERVO TEST 5VDC (MONITOR)	2	TB5-10(GRN)	TB2-7	1
SERVO TEST 10VDC (MONITOR)	2	TB5-11(GRN)	TB2-7	1
PSAAM PWR NO.1	2	TB1-26(GRN)	TB2-7	1
PSAAM PWR NO.2	2	TB1-30(BLK)	TB2-7	1
PSAAM PWR NO.3	2	TB2-48 (BLK)	TB2-7	1

PROBED SIGNALS (WITH SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	2	TB2-43(GRN)	TB2-18	1
4 VDC COMPTR TP	2	TB -27(GRN)	TB2-25	1
14 VDC COMPTR TP	2	TB2-26(GRN)	TB2-25	1
+28 VDC COMPTR TP	2	TB2-28(GRN)	TB2-25	1
+28 VDC IMU OPERATE	2	TB1-22(GRN)	TB5-22	2.8
+28 VDC IMU STANDBY	2	TB1-29(GRN)	TB5-22	1
-28 VDC VDC TP	2	TB5-19(GRN)	TB5-22	1
800 CPS 28V 5% ØA TP	2	TB5-37(RED)	TB5-33	10.2
800 CPS 28V 5% ØB TP	2	TB5-29(RED)	TB5-33	10.2
800 CPS P/S TEMP (PSA)	2	TB5-12(GRN)	TB5-13	1
3200 CPS 1% 28V MON	2	TB5-20(RED)	TB5-23	10.2
3.2 KPPS	2	TB1-6 (BLU)	TB1-9	2
IG COARSE ERROR TP (CDU)	2	TB2-47(RED)	TB2-18	1.01
MG COARSE ERROR TP (CDU)	2	TB2-41(RED)	TB2-18	1.01
OG COARSE ERROR TP (CDU)	2	TB2-35(RED)	TB2-18	1.01
IG FINE ERROR TP (CDU)	2	TB3-37(RED)	TB3-34	1.01
MG FINE ERROR TP (CDU)	2	TB3-38(RED)	TB3-34	1.01
OG FINE ERROR TP (CDU)	2	TB3-41(RED)	TB3-34	1.01
IG TM CURRENT TP	2	TB2-31(GRN)	TB1-49	1
MG TM CURRENT TP	2	TB2-32(GRN)	TB1-49	1
OG TM CURRENT TP	2	TB1-45(GRN)	TB1-49	1
IG SERVO AMP TEST INPUT	2	TB2-11(RED)	TB2-7	1
MG SERVO AMP TEST INPUT	2	TB2-10(RED)	TB2-7	1
OG SERVO AMP TEST INPUT	2	TB2-4 (RED)	TB2-7	1
X PIPA G/S OUTPUT	2	TB2-19(RED)	TB2-22	1.01

TEST SELECTOR PROGRAMMED TESTS

GIMBAL SERVO TEST	POS
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11

INTERFACE LOAD TEST

NOT USED	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
SCS LOAD TEST	5
DSKY INTERFACE TEST	6
CONTROL NO. 1	7
CONTROL NO. 2	8
NOT USED	9-11

FAILURE IND TEST

IG CDU LIMIT CYCLE FAIL COMMD	1
MG CDU LIMIT CYCLE FAIL COMMD	2
OG CDU LIMIT CYCLE FAIL COMMD	3
IG 16X CDU FAIL COMMD	4
MG 16X CDU FAIL COMMD	5
OG 16X CDU FAIL COMMD	6
RR/OPTICS 16X SHAFT CDU FAIL COMMD	7
RR/OPTICS 16X TRUN CDU FAIL COMMD	8
RR/OPTICS SHAFT CDU LIMIT CYCLE FAIL COMMD	9
RR/OPTICS TRUN CDU LIMIT CYCLE FAIL COMMD	10
+14 VDC ISS FAIL COMMD	11
+14 VDC RR/OPTICS FAIL COMMD	12
NOT USED	13-23

ALARM TEST

DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
AGE POWER HIGH	4
AGE POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11

SIGNAL CONDITIONER MONITOR TELEMETRY SIGNALS

LEVEL 1	
LGC OPERATE	1
IMU STANDBY	2
120 VDC REF	3
PCM 2.5 VDC BIAS	4
Z PIPA S/G OUTPUT QUAD	5
3200 CPS 1%	6
Y PIPA S/G OUTPUT QUAD	7
X PIPA S/G OUTPUT QUAD	8
X PIPA PVR	9
Y PIPA PVR	10
Z PIPA PVR	11
NOT USED	12
800 CPS 1%	13
YAW ATT ERROR	14
PITCH ATT ERROR	15
ROLL ATT ERROR	16
Z PIPA S/G OUT	17
Y PIPA S/G OUT	18
X PIPA S/G OUT	19
IG 1X RSVR COS	20
MG 1X RSVR COS	21
OG 1X RSVR COS	22
IG 1X RSVR SIN	23
MG 1X RSVR SIN	24
OG 1X RSVR SIN	25
NOT USED	26
NOT USED	27
TRUN 1X RSVR SIN	28
SHAFT 1X RSVR SIN	29
SHAFT 1X RSVR COS	30
TRUN 1X RSVR COS	31
IG TM CURRENT	32
MG TM CURRENT	33
OG TM CURRENT	34
CAL MOD TEMP	35
NOT USED	36
IG SERVO ERROR	37
MG SERVO ERROR	38
OG SERVO ERROR	39
IG FINE ERROR	40
MG FINE ERROR	41
OG FINE ERROR	42
NOT USED	43
NOT USED	44
R AND D 2.5 VDC BIAS	45
SHAFT FINE ERROR	46
TRUN FINE ERROR	47
NOT USED	48
NOT USED	49
IMU HEATER CURRENT	50
IMU BLOWER CURRENT	51
NOT USED	52

LEVEL 2	
PIPA TEMP	1
IRIG TEMP	2
OG 1X RSVR SIN +/-10°	3
IG 1X RSVR SIN +/-10°	4
MG 1X RSVR SIN +/-10°	5
NOT USED	6
NOT USED	7

SIGNAL AVAILABILITY CODE		
	1	ISS ONLY
	2	G/N ONLY
	3	OSS ONLY
	4	ISS & G/N
	5	OSS & G/N
	6	ISS & OSS
	7	ISS/OSS/G/N

USE FOR LEM ONLY

2901077 REV F

2900023-021 2900023-011	2900023-021 2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE DECIMALS DECIMALS ANGLES ± ± ± — — — DO NOT SCALE THIS DRAWING MATERIAL APPROVAL

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN A.G. Metros 6 JAN 66 DATE
CHECKED Clifford 17 MAY 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL A.G. METROS
MIT APPROVAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 4 OF 6

2901077 | 2901077 | 2901077

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO	DATE	APPROVED
	A	REVISED PER D06/809		27 FEB 66	
	B	REVISED PER D.O. 61936		7 JUN 66	
	C	REVISION STATUS CHANGED		6 APRIL 66	
	D	INITIAL RELEASE CLASS A PER TDRR 25889		14 JUL 66	
	E	REVISED PER TDRR 29898		18 JUL 66	
	F	REVISED PER TDRR 30206		22 SEP 66	

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU	4		2-20	4-4DC	
-28 VDC (TPA)	4	1.1	1-24	3-4DC	
-28 VDC (SMC)	2		2-68		
32 VDC PIP	2		1-59		
120 VDC PIP	2		2-59		
ERROR DETECT LIGHT (28 VDC)	4		1-67		
GIMBAL LOCK (28 VDC)	4		2-67		
GIMBAL LOCK LIGHT (MDV DISP 28 VDC)	6		1-68		
+20 VDC CONDITIONING	4		1-57		
+2.5 VDC CONDITIONING	4		2-57		
400 CPS 6V	6		2-65		
400 CPS 26V	6		2-62		
400 CPS 1.5V 0β	6		1-63		
400 CPS 1.5V π β	6		2-63		
400 CPS VAR ILL PWR (6V)	6		2-50		S7
800 CPS 28V 1% IMU	4		1-21	6-6AC	S1
800 CPS 28V 1% IMU (SCS REF)	4		2-21		
800 CPS 26V 5% IMU WHEEL βA	4		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL βB	4		2-22		
800 CPS 28V 5% ∠-90° IMU	4		1-19	6-8AC	
3200 CPS 2V (ISS ONLY)	1		1-60		
3200 CPS 2V FDBK	4		1-23	5-7AC	S5
3200 CPS 20V (SQ WAVE βA)	4		2-56		S6
3200 CPS 20V (SQ WAVE βB)	4		2-60		
25.6 KC IMU (2V)	4		2-23		S3
TEMP CONT AMPL OUT	4		2-19		
BLOWER CURRENT SENSOR (TELE)	4		2-54	5-4DC	
HEATER CURRENT (TELE)	4		1-55	6-4DC	
ACCEL TEMP (TELE)	4		2-55	3-3DC	
IRIG TEMP (TELE)	4		1-56	4-3DC	
X PIPA ERROR MONITOR	4		2-51	6-1AC	
Y PIPA ERROR MONITOR	4		1-52	5-1AC	
Z PIPA ERROR MONITOR	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	1			8-9	
X GYRO ERROR	4		2-33	2-1	
Z GYRO ERROR	4		2-34	3-1AC	
IMU IG AND Y GYRO ERROR	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IG TORQ MTR (CURRENT)	1		2-38	7-1	
IMU MG ERROR	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
MG TORQ MTR (CURRENT)	1		2-37	6-2DC	
IMU OG ERROR	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
OG TORQ MTR (CURRENT)	1		2-36	8-3	
IG CDU 16X ERROR (B/A)	4	1.01	2-29	1-5	
IG CDU 1X ERROR (S2)	4		2-32	3-4AC	
IG CDU 1/2X ERROR (S3)	1		1-32	2-3	
IG CDU DAC ERROR	4		2-46	6-2AC	
IG CDU MDA TACH	1		1-61		
IG CDU +DT UNCOND SQ WAVE	4			8-6	
IG CDU -DT UNCOND SQ WAVE	4			7-6	
IG CDU FAIL IND (SMC)	2		1-64		
MG CDU 16X ERROR(B/A)	4	1.01	2-28	2-5	
MG CDU 1X ERROR	4		2-31	1-4	
MG CDU 1/2X ERROR	1		1-31	3-3AC	
MG CDU DAC ERROR	4		2-45	5-2AC	
MG CDU MDA TACH	1		2-61		
MG CDU +DT UNCOND SQ WAVE	4			6-6DC	
MG CDU -DT UNCOND SQ WAVE	4			5-6DC	
MG CDU FAIL IND (SMC)	2		2-64		
OG CDU 16X ERROR (TLM)	2		2-35		
OG CDU 16X ERROR (B/A)	4	1.01	2-27	3-5AC	
OG CDU 1X ERROR	4		2-30	2-4	
OG CDU 1/2 X ERROR	1		1-30	1-3	
OG CDU DAC ERROR	4		2-44	4-2AC	
OG CDU MDA TACH	1		1-62		
OG CDU +DT UNCOND SQ WAVE	4			4-6DC	
OG CDU -DT UNCOND SQ WAVE	4			3-6DC	
OG CDU FAIL IND (SMC)	2		1-65		
SIN AIG 16X (TO CDU)	1		1-50	6-4AC	
COS AIG 16X	1		2-49		
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (TO CDU)	1		1-49	5-4AC	
COS AMG 16X	1		2-48		
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (TO CDU)	1		1-48	4-4AC	
COS AOG 16X	1		2-47		
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
CONTINUITY TEST MONITOR	4		2-91		
IMU PRESSURE MONITOR	4		1-18		
CTR IMU DELAY	4				S13

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

ISS PULSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU △Θ(CMS)	1		P4	4 & 18	
-IG CDU △Θ(CMS)	1		P4	19	4
+IG CDU SET(CMS)	1		P7	7	18
-IG CDU SET(CMS)	1		P7		7 & 19
+MG CDU △Θ(CMS)	1		P5	5 & 20	
-MG CDU △Θ(CMS)	1		P5	21	5
+MG CDU SET(CMS)	1		P8	8	20
-MG CDU SET(CMS)	1		P8		8 & 21
+OG CDU △Θ(CMS)	1		P6	6 & 22	
-OG CDU △Θ(CMS)	1		P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
+X IRIG SET(CMS)	1		P1	1	
-X IRIG SET(CMS)	1		P1		1
+Y IRIG SET(CMS)	1		P2	2	
-Y IRIG SET(CMS)	1		P2		2
+Z IRIG SET(CMS)	1		P3	3	
-Z IRIG SET(CMS)	1		P3		3
X PIPA +△V	1		P10	10	
X PIPA -△V	1		P10		10
Y PIPA +△V	1		P11	11	
Y PIPA -△V	1		P11		11
Z PIPA +△V	1		P12	12	
Z PIPA -△V	1		P12		12
PSA ADAPTER PULSE PROBES	7	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	7		P14		
+ AUXILIARY INPUT JACK	7	F/P	S15	15	
- AUXILIARY INPUT JACK	7	F/P	S15		15
B SCOPE INPUT CH1	7	J1-A			
B SCOPE INPUT CH1	7	J1-C			
A SCOPE INPUT	7	J1-E			
DELAY LINE IN	7	J1-K			
DELAY LINE OUT	7	J1-M			
IG ENC +△Θ	1	J2-G			
IG ENC -△Θ	1	J2-H			
MG ENC +△Θ	1	J2-J			
MG ENC -△Θ	1	J2-K			
OG ENC +△Θ	1	J2-L			
OG ENC -△Θ	1	J2-M			
+△VX	1	J3-G			
-△VX	1	J3-H			
+△VY	1	J3-J			
-△VY	1	J3-K			
+△VZ	1	J3-L			
-△VZ	1	J3-M			
CMS 800 PPS IN @ SYNC	1	J4-B			
CMS 3200 PPS IN @ SYNC	1	J4-D			

OPTICS SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
28 VDC OPTICS	5	2-00	4-9DC	
800 CPS 28V 1% (OPTICS)	5	1-01	6-13AC	S2
800 CPS 28V 5% ∠-90° OPTICS	5	2-01	5-13AC	
25.6 KC OPTICS	5	1-02		S4
+DT T.P. TRUN ENC	5		6-7DC	
-DT T.P. TRUN ENC	5		5-7DC	
+DT T.P. SHAFT ENC	5		8-7	
-DT T.P. SHAFT ENC	5		7-7	
CDU TRUN TACH FDBK (SMC)	5	1-04	3-11AC	
CDU TRUN TACH FDBK (TPA)	5	1-08	4-11AC	
CDU TRUN 16X RSVR ERROR (SMC)	5	2-08	1-11	
CDU TRUN 16X ERROR (TPA)	5	2-06	5-12AC	
SCT SHAFT TACH FDBK (SMC) (BUFF)	5	2-04	1-13	
SCT SHAFT TACH FEEDBACK (TPA)	5	1-07	2-11	
SCT SHAFT 1X ERROR (BUFF)	5	2-10	4-13AC	
SCT TRUN TACH FDBK (BUFF)(SMC)	5	1-05	5-11AC	
SCT TRUN 1X ERROR (SMC)	5	1-03	4-12AC	
SCT TRUN 1X RSVR ERROR (TPA)	5	1-09	3-12AC	
SCT TRUN MDA OUPT β2	5	2-02	6-5AC	
SHAFT CDU 16X ERROR (BUFF)	5	1-12	5-10AC	
SHAFT CDU 16X ERROR (TPA)	5	2-05	6-11AC	
SHAFT CDU TACH FDBK (BUFF)	5	1-10	3-13AC	
SXT SHAFT TACH FDBK (SMC)(BUFF)	5	2-12	6-10AC	
SXT SHAFT TACH FDBK (TPA)	5	2-07	1-12	
SXT SHAFT MDA INPUT (BUFF)	5	2-03	2-13	
SXT SHAFT MDA OUTPUT β2	5	1-14	1-8	
SXT TRUN TACH FDBK (BUFF)	5	2-09	2-12	
SXT TRUN MDA INPUT (SMC)	5	1-06	6-12AC	
SXT TRUN MDA OUTPUT β2	5	2-14	5-8AC	

OPTICS SIGNALS CONT.

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
PHOTOMETER PREAMP OUTPUT (BUFF)		5	2-88		
PHOTOMETER PREAMP OUTPUT (AC)		5	2-15		S12
PHOTOMETER PREAMP OUTPUT (DC)		5	2-18	4-1DC	
Y TRACKER OUTPUT (800 CPS)(TPA B/A)	1.01	5	1-13	3-8AC	
X TRACKER OUTPUT (800 CPS)(TPA B/A)	1.01	5	2-13	4-8AC	
TRACKER X DRIVE (BUFF)(SMC)		5	1-16		S10
TRACKER Y DRIVE (BUFF)(SMC)		5	2-16		S11
TRACKER PREAMP OUTPUT (BUFF)(SMC)		5	1-88		
MARK		3		8-5	
STAR SIMULATOR		5	1-25	7-5	
+X OPT CDU SET (CMS)		3			P-18
-X OPT CDU SET (CMS)		3			P-19
+Y OPT CDU SET (CMS)		3			P-20
-Y OPT CDU SET (CMS)		3			P-21

OPTICS PULSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	CTR D	CTR A	CTR B
TRUN CDU ENC +△Θ (TO CTR VIA CMS)	J3-A	3	P-16	16	
TRUN CDU ENC -△Θ (TO CTR VIA CMS)	J3-B	3	P-16		16
SHAFT CDU ENC +△Θ (TO CTR VIA CMS)	J3-C	3	P-17	17	
SHAFT CDU ENC -△Θ (TO CTR VIA CMS)	J3-D	3	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC AGC (OPR PWR)	2	1-93		
+13 VDC AGC	2	1-94		
+3 VDC AGC	2	2-93		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RD	2		3-14DC	

GSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+3 VDC (CMPTR SIMULATOR)		6	2-78		
+13 VDC STBY (CMPTR SIMULATOR)		6	1-78		
+27 VDC OIA ON (RLP)		7	1-79	6-11DC	
+28 VDC G&M		7	1-71	8-11	
+28 VDC STBY BUSS A		4	1-72		
+28 VDC STBY BUSS B		4	2-72		
+28 VDC IMU BUSS A		4	1-73		
+28 VDC IMU BUSS B		4	2-73		
+28 VDC OPT BUSS A		5	1-74		
+28 VDC OPT BUSS B		5	2-74		
+28 VDC AGC BUSS A		4	1-75		
+28 VDC AGC BUSS B		4	2-75		
+30 VDC GSE PWR		7	1-70	4-11DC	
-30 VDC GSE PWR		7	2-70	3-11DC	
115V 60 CPS βA OIA ON		7	2-79		
115V 60 CPS βB OIA ON		7	1-80		
115V 60 CPS βC OIA ON		7	2-80		
400 CPS 115V 0β (GSE)		7	2-77		
400 CPS 115V π β (GSE)		7	1-85		
400 CPS 115V (A/B)		7	1-77		
800 CPS 0° ISS REF (BUFF)		4	2-81		
800 CPS 90° ISS REF (BUFF)		4	2-82		
800 CPS 0β OPT REF (BUFF)		5	1-84		
800 CPS 90° OPT REF (BUFF)		5	2-84		
800 CPS VAR PH REF (BUFF)		4	2-83		
3200 CPS 2V (FDBK)		4	1-81		
OIA 3200 CPS 4V PWR SUPPLY		4	1-87		
3200 CPS VAR PH ISS REF (BUFF)		4	1-83		
3200 CPS REF (BUFF)		4	1-82		
IRIG β SHIFTER OUPT (3200 CPS 0°)		4	2-85		
PIPA β SHIFTER OUPT (3200 CPS 45°)		4	1-86		
**SIGNAL GEN OUTPUT		7	1-76	5-1DC	
GSE FAIL IND TEST VOLTAGE		1	1-51	1-1	
FAIL IND G & N		4		7-4	
BCD 1 DIGIT 1 FR CTR (LSD)		7		4-7DC	
BUFFERED PROBE	F/P	7	1-99		
DIRECT PROBE	F/P	7	2-99		
IG TDA TEST OUTPUT		1	1-91		
MG TDA TEST OUTPUT		1	2-92		
OG TDA TEST OUTPUT		1	1-92		
TEST START LIGHT		7		7-9	
SIGNAL GEN OUTPUT (X4)		7	2-86		
CTR AUXILIARY INPUT	F/P	7			S15

**SET MONITOR TO PROPER FUNCTION (AC OR DC)

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV F

USE FOR "SERIES 100" ONLY

2900023-021	2900023-021
2900023-011	2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± 3 PLACE DECIMALS ± DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE, WIS

DRAWN R. Parker 6 MAY 66 DATE

CHECKED [illegible] 12 MAY 66 DATE

APPROVAL [illegible]

CONTRACT NAS 9-497

NASA APPROVAL [illegible]

MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE —— | SHEET 5 OF 6

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO	DATE	APPROVED
	A	REVISED PER D061809		27 MAR 66	
	B	REVISION STATUS CHANGED	D.A.61936	10 APR 66	
	C	REVISION STATUS CHANGED		2 MAY 66	
	D	INITIAL RELEASE CLASS A PER TDRR 28689		2 MAY 66	
	E	REVISED PER TDRR 29898		18 JUL 66	
	F	REVISED PER TDRR 30206		10 NOV 66	

PSA TEST ADPT SIGNALS

SIGNAL	PROBE HI	PROBE LO	MULT BY
TRAY 1			
COMP 3200 PPS IN ∅ SYNC (SET)	17	26	1
COMP 3200 PPS OUT OF ∅ SYNC (RESET)	18	26	1
3200 CPS DRIVE MONITOR	11	26	10.2
2V 1% 3200 CPS MONITOR	34	26	10.2
3200 CPS 20V (A)	3	4	1
3200 CPS 20V (B)	12	4	1
IG ERROR SIG MONITOR	7	14	10.2
MG ERROR SIG MONITOR	6	14	10.2
OG ERROR SIG MONITOR	13	14	10.2
IG CDU 1X RSVR ERROR	20	21	4
MG CDU 1X RSVR ERROR	27	28	4
OG CDU 1X RSVR ERROR	35	36	4
IG TDA OUPT	2	1	1
MG TDA OUPT	9	1	1
OG TDA OUPT	10	1	1
IG SVO AMP INPUT (TEST)	23	1	1
MG SVO AMP INPUT (TEST)	24	1	1
OG SVO AMP INPUT (TEST)	31	1	1
-28V DC	33	32	1.1
TRAY 2			
120 VDC MONITOR (IRIG)	13	1	3.0
12 VDC MONITOR (IRIG)	14	1	1
COMP 800 PPS IN ∅ SYNC (SET)	2	1	1
COMP 800 PPS OUT OF ∅ SYNC (RESET)	11	1	1
800 CPS MOTOR DRIVE	9	1	2
800 CPS 1% MONITOR	10	1	10.2
800 CPS 5% ∠-90° MONITOR	17	1	10.2
800 CPS 28V IMU WHEELS ∅A 5%	18	1	10.2
32 VDC (IRIG)	15	1	1
COMP 25.6 KPPS IN ∅ SYNC (SET)	3	35	1
COMP 25.6 KPPS OUT OF ∅ SYNC (RESET)	12	35	1
25.6 KC IMU MONITOR (2V)	36	35	1
25.6 KC OPT MONITOR (2V)	28	27	1
TRAY 3			
X PIPA P PULSES	23	1	10
X PIPA N PULSES	31	1	10
Y PIPA P PULSES	24	1	10
Y PIPA N PULSES	32	1	10
X PIPA AC AMP OUPT	2	1	1
Y PIPA AC AMP OUPT	3	1	1
TRAY 4			
Z PIPA P PULSES	23	1	10
Z PIPA N PULSES	31	1	10
Z PIPA AC AMP OUPT	2	1	1
TRAY 5			
X GYRO ERROR	9	1	10.2
Z GYRO ERROR	17	1	10.2
IG CDU DAC ERROR	20	21	1
MG CDU DAC ERROR	27	28	1
OG CDU DAC ERROR	35	36	1
IG +DT UNCOND SQUARE WAVE	23	1	1
IG -DT UNCOND SQUARE WAVE	31	1	1
MG +DT UNCOND SQUARE WAVE	24	1	1
MG -DT UNCOND SQUARE WAVE	32	1	1
OG +DT UNCOND SQUARE WAVE	25	1	1
OG -DT UNCOND SQUARE WAVE	33	1	1
+DVX	2	1	1
-DVX	10	1	1
+DVY	3	1	1
-DVY	11	1	1
+DVZ	4	1	1
-DVZ	12	1	1

PSA TEST ADPT SIGNALS

SIGNAL	PROBE HI	PROBE LO	MULT BY
TRAY 6			
OPT 800 CPS DRIVE	2	1	2
OPT 800 CPS 1%	9	1	10.2
OPT 800 CPS 5% ∠-90°	10	1	10.2
IG CDU FAIL IND	26	34	1
MG CDU FAIL IND	25	34	1
OG CDU FAIL IND	33	34	1
IG CDU 16X ERROR	20	21	1.01
MG CDU 16X ERROR	27	28	1.01
OG CDU 16X ERROR	35	36	1.01
TRAY 7			
TEMP CONT BRDG EXCIT TP	18	17	1
HTR CURRENT (TELE)	23	34	1
BLO CURRENT SENSOR (TELE)	24	34	1
ACCEL TEMP IND BRDG	25	26	1
TEMP CONT AMP OUPT	31	17	1
IRIG TEMP IND BRDG	33	32	1
IRIG TEMP (TELE)	19	34	1
ACCEL TEMP (TELE)	11	34	1
ROLL ERROR BODY OFFSET AXIS	27	28	1
YAW ERROR BODY OFFSET AXIS	35	36	1
ROLL ERROR BODY AXIS	14	15	1
PITCH ERROR BODY & BODY OFFSET AXIS	20	21	1
YAW ERROR BODY AXIS	7	8	1
+120V DC PIPA SUPP MONITOR	2	1	3.04
+32V DC MONITOR (PIPA)	10	1	1
+DT TP SHAFT ENCODER	3	12	1
-DT TP SHAFT ENCODER	4	12	1
+DT TP TRUN ENCODER	5	13	1
-DT TP TRUN ENCODER	6	13	1
TRAY 8			
SXT SHAFT MDA OUTPUT ∅2	27	28	1
SCT SHAFT MDA OUTPUT ∅2	35	36	1
TRACKER PREAMP OUTPUT	8	15	1
SXT TRUN MDA INPUT	2	1	1
SCT SHAFT 1X ERROR	3	12	1
SXT SHAFT MDA INPUT	9	23	1
SXT TRUN TACH FEEDBACK	10	11	1
SXT TRUN MDA OUTPUT ∅2	20	21	1
TRACKER X DRIVE T.P.	6	13	1
TRACKER Y DRIVE T.P.	7	14	1
SXT SHAFT TACH FEEDBACK	17	24	1
SCT SHAFT TACH FEEDBACK	18	19	1
TRAY 9			
SCT TRUN MDA OUTPUT ∅2	13	14	1
SHAFT CDU MDA OUTPUT ∅2	27	28	1
TRUN CDU 16X ERROR	17	24	1
SHAFT CDU 16X ERROR	18	19	1
SHAFT CDU TACH FEEDBACK	2	1	1
SCT TRUN TACH FEEDBACK	3	12	1
TRUN CDU MDA OUTPUT ∅2	20	21	1
SCT TRUN 1X ERROR	9	23	1
CDU TRUN TACH FEEDBACK	10	11	1
X TRACKER OUTPUT	5	6	1
Y TRACKER OUTPUT	7	8	1
SCS ERROR-PITCH	37	38	1.02
SCS ERROR-YAW NORM/ENTRY	34	38	1.02
SCS ERROR-ROLL NORM/ENTRY	35	38	1.02
TRAY 10			
IMU 800 CPS 28V (BLOWERS) 5%∠-90°	34	26	10.2
+28V DC OPTICS (OPERATE)	32	31	1
AGC OPR +28V DC	2	1	1
+13V DC AGC	11	1	1
+3V DC AGC	10	1	1
PRESS TRANSDUCER 28 VDC	7	8	1
IMU PRESS. MONITOR	35	36	1
COND +20 VDC	6	5	1
COND +2.5V DC	13	14	1
+28 VDC IMU (STBY)	24	23	1
+28 VDC IMU (OPR)	17	23	1
PHOTOMETER PREAMP OUTPUT	20	21	1
+28 VDC IMU OPR BUSS A MONITOR	18	23	1
+28 VDC IMU OPR BUSS B MONITOR	19	23	1

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

PULSE TORQUE ELECTRONICS

SIGNAL	SW POS.
X PIPA PVR	1
X PIPA TOR CUR. MON	2
X PIPA SCALE FACTOR	3
Y PIPA PVR	4
Y PIPA TOR CUR. MON	5
Y PIPA SCALE FACTOR	6
Z PIPA PVR	7
Z PIPA TOR CUR. MON	8
Z PIPA SCALE FACTOR	9
X GYRO PVR	10
X GYRO TOR CUR. MON	11
X GYRO SCALE FACTOR	12
Y GYRO PVR	13
Y GYRO TOR CUR. MON	14
Y GYRO SCALE FACTOR	15
Z GYRO PVR	16
Z GYRO TOR CUR. MON	17
Z GYRO SCALE FACTOR	18

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
IRIG TEST	
ADSRAX X IRIG TO MG	1
ADIAX X IRIG TO OG	2
SFTGX X IRIG TO OG	3
ADSRAZ Z IRIG TO MG	4
ADIAZ Z IRIG REVERSED TO MG	5
ADIAZ Z IRIG TO MG	6
SFTGZ Z IRIG TO MG	7
Y IRIG	8
INTERFACE LOAD TEST	
NOT USED	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
NOT USED	5-11
FAILURE IND TEST	
800 CPS WH PWR	1
3.2 KC DUCOSYN PWR	2
800 CPS CDU PWR	3
25.6 KC ENCODER PWR	4
IG SERVO ERROR	5
MG SERVO ERROR	6
OG SERVO ERROR	7
IG SERVO ERROR FAIL TEST	8
MG SERVO ERROR FAIL TEST	9
OG SERVO ERROR FAIL TEST	10
X PIPA ERROR	11
Y PIPA ERROR	12
Z PIPA ERROR	13
X PIPA ERROR FAIL TEST	14
Y PIPA ERROR FAIL TEST	15
Z PIPA ERROR FAIL TEST	16
AGC FAIL TEST	17
AGC SPARE FAIL TEST	18
AGC PWR SUPPLY FAIL TEST	19
NOT USED	20-23

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
G&N POWER HIGH	4
G&N POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11
CONTINUITY TEST	
ATTITUDE DISABLE SIG	1
SPACECRAFT LAMP TEST	2
PITCH UP	3
PITCH DOWN	4
YAW RIGHT	5
YAW LEFT	6
ROLL RIGHT	7
ROLL LEFT	8
NOT USED	9-11

SIMULATED JUNCTION BOX TEST POINTS

SIGNAL	TEST JACK
CDU FAIL HI } 102.4 KC	J41
CDU FAIL LO }	J42
IMU FAIL HI } 102.4 KC	J43
IMU FAIL LO }	J44
ACCEL FAIL HI } 102.4 KC	J45
ACCEL FAIL LO }	J46
STAR PRESENCE HI } 102.4 KC	J47
STAR PRESENCE LO }	J48

(READ VIA PULSE PROBE ON TPA)

PIPA FAIL TEST SWITCHES
X, Y, Z, PIPA NORMAL/TEST

POSITION	FUNCTION
NORMAL	PIPA ERROR SIGNALS ROUTED TO XBARS & MSI, AND BACK TO AIRBORNE.
TEST	PIPA ERROR SIGNALS SWITCHED IN SJB DIRECTLY TO AIRBORNE FAIL CIRCUIT (GSE MON BYPASSED).

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A & B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS ∅B	1
800 CPS VAR ∅	2
3200 CPS ∅B	3
3200 CPS VAR ∅	4
800 CPS OPT ∅B	5
AUX INPUT (A SCOPE)	9 & AIP F/P

2901077 REV F

USE FOR "SERIES 100" ONLY

2900023-021 2900023-011	2900023-021 2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE, WIS

DRAWN [illegible] 6 JAN 66 DATE
CHECKED [illegible] 12 JAN 66
APPROVAL [illegible] 5-16-66
CONTRACT NAS 9-497
& C. METCALF
NASA APPROVAL
MIT APPROVAL [illegible] 5-17-66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE —— | SHEET 6 OF 6

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D06185		6-6-66	RC
	B	REVISION STATUS CHANGED	D06193	6-22-66	
	C	REVISED		8-16-66	
	D	INITIAL RELEASE CLASS A J&B TDRR 28889		9-16-66	
(10)	E	REVISED PER TDRR 29898		11-16-66	PMG
(11)	F	REVISED PER TDRR 30206		12-6-66	
	G	REVISION STATUS CHANGED		1-3-67	

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	LOCATION RSS	CTR"D"
+4 VDC CDU TP	7		1-18		
+14 VDC ISS CDU	1		1-67		
28 VDC GAM (FROM IMU)	4		1-00		
+28 VDC IMU OPERATE (I/F ONLY)	4		2-69		
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU OPERATE	4		2-20	4-4DC	
-28 VDC	4	1.1	1-24	3-4DC	
120 VDC PIP	4		2-59		
400 CPS 60-70 V(MON)	7		2-50		S7
400 CPS 5(MON)	7		2-65		
800 CPS 28V 1% IMU	4		1-21	6-6AC	S1
800 CPS 28V 5% IMU WHEEL βA	1		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL βB	1		2-22		
3200 CPS 28V 1%	4		1-60		
3200 CPS 28V (TO RSS BUFF AMP)	4		1-23	5-7AC	S5
BLOWER CURRENT SENSOR	1		1-66	4-10AC	
IMU HEATER CURRENT	1		2-58	3-1DC	
ACCEL TEMP	4		2-55	3-3DC	
IRIG TEMP	4		1-56	4-3DC	
X PIPA G/S OUTPUT (B/A 1 V/V)	4		2-51	6-1AC	
Y PIPA G/S OUTPUT (B/A 1 V/V)	4		1-52	5-1AC	
Z PIPA G/S OUTPUT (B/A 1 V/V)	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	1			8-9	
X GYRO ERROR (B/A 1 V/V)	1		2-33	2-1	
Z GYRO ERROR (B/A 1 V/V)	1		2-34	3-1AC	
IMU IG AND Y GYRO ERROR (B/A 1 V/V)	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IMU MG ERROR (B/A 1 V/V)	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
IMU OG ERROR (B/A 1 V/V)	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
IG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-29	1-5	
MG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-28	2-5	
OG CDU FINE ERROR (B/A 1 V/V)	4	1.01	2-27	3-5AC	
SIN AIG 16X (B/A 1 V/V)	1		1-50	6-4AC	
SIN AIG 16X (B/A 5.6 V/V)	1	.179	1-39	5-6AC	
COS AIG 16X (B/A 1 V/V)	1		2-49		
COS AIG 16X (B/A 5.6 V/V)	1	.179	2-39	4-6AC	
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (B/A 1 V/V)	1		1-49	5-4AC	
SIN AMG 16X (B/A 5.6 V/V)	1	.179	1-40	1-6	
COS AMG 16X (B/A 1 V/V)	1		2-48		
COS AMG 16X (B/A 5.6 V/V)	1	.179	2-40	2-6	
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (B/A 1 V/V)	1		1-48	4-4AC	
SIN AOG 16X (B/A 5.6 V/V)	1	.179	1-41	3-6AC	
COS AOG 16X (B/A 1 V/V)	1		2-47		
COS AOG 16X (B/A 5.6 V/V)	1	.179	1-29	1-7	
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
AUX HEATER VOLTAGE	4		2-25		
AUX HEATER CURRENT	4		1-58		
TEMP WITHIN LIMITS	1			5-3DC	
SIGNAL CONDITIONER (GD8 STEPPER)	2		2-71	8-4	
CONTINUITY TEST MONITOR	5		2-91		
28V 800CPS 1% (SCS REF)	7		1-19	6-8AC	

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

ISS PULSE SIGNAL

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU Δθ,(TO CTR VIA CMS)	1	J2-G	P4	4 & 18	
-IG CDU Δθ,(TO CTR VIA CMS)	1	J2-H	P4	19	4
+IG CDU SET (CMS)	1		P7	7	18
-IG CDU SET (CMS)	1		P7		7 & 19
+MG CDU Δθ,(TO CTR VIA CMS)	1	J2-J	P5	5 & 20	
-MG CDU Δθ,(TO CTR VIA CMS)	1	J2-K	P5	21	5
+MG CDU SET (CMS)	1		P8	8	20
-MG CDU SET (CMS)	1		P8		8 & 21
+OG CDU Δθ,(TO CTR VIA CMS)	1	J2-L	P6	6 & 22	
-OG CDU Δθ,(TO CTR VIA CMS)	1	J2-M	P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
X PIPA +ΔV	1		P10	10	
X PIPA -ΔV	1		P10		10
Y PIPA +ΔV	1		P11	11	
Y PIPA -ΔV	1		P11		11
Z PIPA +ΔV	1		P12	12	
Z PIPA -ΔV	1		P12		12
PULSE PROBE (TPA NO.2)	7	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	7		P14		
+ AUXILIARY INPUT JACK	7	F/P	S15	15	
- AUXILIARY INPUT JACK	7	F/P	S15		15
TORQUE SET (GCP)	1		P22		
B SCOPE INPUT CHI	7	J1-A			
B SCOPE INPUT CHI	7	J1-C			
A SCOPE INPUT	7	J1-E			
DELAY LINE IN	7	J1-K			
DELAY LINE OUT	7	J1-M			
PX VELOCITY PULSE	1	J3-G			
NX VELOCITY PULSE	1	J3-H			
PY VELOCITY PULSE	1	J3-J			
NY VELOCITY PULSE	1	J3-K			
PZ VELOCITY PULSE	1	J3-L			
NZ VELOCITY PULSE	1	J3-M			
800 PPS 0°	1	J4-B			
3,2 KPPS 0°	1	J4-C			
PULSE PROBE (TPA NO.1)	4	J4-E			
	7				

OPTICS SIGNALS

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	LOCATION RSS	CTR"D"
+14 VDC OPTICS/RR CDU		3	2-68		
28 VDC OPTICS		5	2-00	4-9DC	
800 CPS 28V 1% (OPTICS)		5	1-01	6-13AC	S2
SXT RETICLE LAMP POWER		3	2-67		
+X OPT CDU SET(CMS)		3			P-18
-X OPT CDU SET(CMS)		3			P-19
+Y OPT CDU SET(CMS)		3			P-20
-Y OPT CDU SET(CMS)		3			P-21
TRACKER X OUTPUT (TRUN)		5	2-13	4-8AC	
TRACKER Y OUTPUT (SHAFT)		5	1-13	3-8AC	
CDU SHAFT FINE ERROR (B/A 1 V/V)	1.01	5	2-05	6-11AC	
CDU TRUN FINE ERROR (B/A 1 V/V)	1.01	5	2-06	5-12AC	
SCT SHAFT MDA P/A MON (B/A 1 V/V)	1.01	5	2-10	4-13AC	
SCT SHAFT MDA O/P MON β1		5	1-10	3-13AC	
SCT TRUN MDA P/A MON (B/A 1 V/V)	1.01	5	1-03	4-12AC	
SCT TRUN MDA OUTPUT MON β1		5	2-02	6-5 AC	
SCT TRUN MDA TACH MON (B/A)*	1.01,.1	5	1-05	5-11AC	
SXT SHAFT MDA OUTPUT MON β1		5	1-14	1-8	
SXT SHAFT MDA P/A MON (B/A 1 V/V)	1.01	5	2-03	2-13	
SXT SHAFT MDA TACH MON(B/A)*	1.01,.1	5	2-07	1-12	
SXT TRUN MDA OUTPUT β1		5	2-14	5-8 AC	
SXT TRUN MDA P/A MON (B/A 1 V/V)	1.01	5	1-06	6-12AC	
SXT TRUN MDA TACH MON(B/A)*	1.01,.1	5	2-09	2-12	
MARK		3		8-5	
SCT SHAFT MDA TACH MON(B/A 1 V/V)	1.01	5	2-04	1-13	

* B/A 1 V/V OR 10 V/V

OPTICS PULSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	CTR D	CTR A	CTR B
SHAFT+Δθ (TO CTR VIA CMS)	J3-C	3	P-16	16	
SHAFT-Δθ,(TO CTR VIA CMS)	J3-D	3	P-16		16
TRUN+Δθ,(TO CTR VIA CMS)	J3-A	3	P-17	17	
TRUN-Δθ,(TO CTR VIA CMS)	J3-B	3	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	CTR"D"
+28 VDC COMP T.P.	2	1-93		
+14 VDC COMP T.P.	2	2-93		
+4 VDC COMP T.P.	2	1-94		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RD	2		3-14DC	

GSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	LOCATION XBAR	LOCATION RSS	CTR"D"
+3 VDC (CMPTR SIMULATOR)	6		2-78		
+13 VDC STBY (CMPTR SIMULATOR)	6		1-78		
+27 VDC DIA ON (RLP)	7		1-79	6-11DC	
+28 VDC GAM	7		1-71	8-11	
+28 VDC STBY BUSS A	4		1-72		
+28 VDC STBY BUSS B	4		2-72		
+28 VDC IMU BUSS A	4		1-73		
+28 VDC IMU BUSS B	4		2-73		
+28 VDC OPT BUSS A	5		1-74		
+28 VDC OPT BUSS B	5		2-74		
+28 VDC AGC BUSS A	2		1-75		
+28 VDC AGC BUSS B	2		2-75		
+30 VDC GSE PWR	7		1-70	4-11DC	
-30 VDC GSE PWR	7		2-70	3-11DC	
115V 60 CPS βA DIA ON	7		2-79		
115V 60 CPS βB DIA ON	7		1-80		
115V 60 CPS βC DIA ON	7		2-80		
400 CPS 115V OB (GSE)	7		2-77		
115V 400 CPS ΨβB (GSE)	7		1-85		
400 CPS 115V (A/B)	7		1-77		
800 CPS 0° ISS REF (B/A)	4		2-81		
800 CPS 90° ISS REF (B/A)	4		2-82		
800 CPS OB OPT REF (B/A)	5		1-94		
800 CPS 90° OPT REF (B/A)	5		2-84		
800 CPS VAR PH REF (B/A)	4		2-83		
3200 CPS 28.5V FEEDBACK	7		1-81		
DIA 3200 CPS 30V PWR SUPPLY	7		1-87		
3200 CPS REF (B/A)	4		1-82		
3200 CPS VAR PH ISS REF (B/A)	4		1-83		
IRIG β SHIFTER OOPT (3200 CPS 0°)	4		2-85		
PIPA β SHIFTER OUPT (3200 CPS 45°)	4		1-86		
SIGNAL GEN OUTPUT	7		1-76	5-1DC	
BCD 1 DIGIT 1 FR CTR (LSD)	7			4-7DC	
IG TDA TEST OUTPUT	1		1-91		
MG TDA TEST OUTPUT	1		2-92		
OG TDA TEST OUTPUT	1		1-92		
TEST START LIGHT (COMMD)	4			7-9	
SIGNAL GEN OUTPUT (X4)	7		2-86		
BUFFERED PROBE (TPA NO.1)	4	J4-M	1-98		
BUFFERED PROBE (TPA NO.2)	7	F/P	1-99		
DIRECT PROBE (TPA NO.1)	4	J4-L	2-98		
DIRECT PROBE (TPA NO.2)	7	F/P	2-99		
CTR AUXILIARY INPUT	7	F/P			S15
X PIP+28 VDC PWR	4		1-95		
Y PIP+28 VDC PWR	4		2-95		
Z PIP+28 VDC PWR	4		1-96		

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A&B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS OB	1
800 CPS VAR β	2
3200 CPS OB	3
3200 CPS VAR β	4
800 CPS OPT OB	5
AUX INPUT (A SCOPE)	9 & AIP F/P

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV F

USE FOR BLOCK II ONLY

2900023-021	2900023-021
2900023-011	2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± — 3 PLACE DECIMALS ± — DECIMALS ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN R. Parker 6-JAN-66 DATE
CHECKED
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL A. C. METZLER
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE	CODE IDENT NO.	
E	99974	2901077

SCALE — SHEET 1 OF 6

2901077 REV F

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D061809			
	B	REVISED PER D0-61936			
	C	REVISION STATUS CHANGED			
	D	INITIAL RELEASE CLASS A PER TDRR 28669			
	E	REVISED PER TDRR 29898			
	F	REVISED PER TDRR 30206			
	G	REVISED PER TDRR 30534			

TEST POINT ADAPTER NO.1 SIGNALS

PIPA & IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
X PIPA PVR	4	1
X PIPA TORQUE CURRENT MONITOR	4	2
X PIPA SCALE FACTOR	4	3
Y PIPA PVR	4	4
Y PIPA TORQUE CURRENT MONITOR	4	5
Y PIPA SCALE FACTOR	4	6
Z PIPA PVR	4	7
Z PIPA TORQUE CURRENT MONITOR	4	8
Z PIPA SCALE FACTOR	4	9

PROBED SIGNALS	MULT BY	SIG AVAIL	HI	LO(BLK)
X PIP G/S OUTPUT	1.01	4	T81-17(RED)	T81-18
Y PIP G/S OUTPUT	1.01	4	T81-15(RED)	T81-16
Z PIP G/S OUTPUT	1.01	4	T81-13(RED)	T81-14
X PIP PX	8	4	T81-19(BLU)	T81-18
X PIP NX	8	4	T81-22(BLU)	T81-18
Y PIP PY	8	4	T81-20(BLU)	T81-16
Y PIP NY	8	4	T81-23(BLU)	T81-16
Z PIP PZ	8	4	T81-21(BLU)	T81-14
Z PIP NZ	8	4	T81-24(BLU)	T81-14

PROBE ROUTING (TPA NO. 1)

1. BUFFERED PROBE J7 HI (RED) TO XBAR 1-98 & AIP(J4-M); J8 LO(BLK)
2. DIRECT PROBE J5 HI (GRN) TO XBAR 2-98 & AIP(J4-L); J6 LO(BLK)
3. PULSE PROBE J3 HI (COAX) TO AIP(J4-E); J4 LO(BLK)

TEST POINT ADAPTER NO.2 SIGNALS

SWITCHES

IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
IRIG PVR	4	1
IRIG CURRENT MONITOR	4	2
IRIG SCALE FACTOR	4	3

GSE BUFFER INPUT SWITCH (OPT/ISS SWITCH)

POSITION	SIGNAL ROUTING
ISS	(1) MG CDU FINE ERROR TO TPA AMP, TO XBAR 2-28 & RSS 2-5AC
	(2) OG CDU FINE ERROR TO TPA AMP, TO XBAR 2-27 & RSS 3-5AC
OPT	(1) TRACKER X OUTPUT (TRUN) TO TPA AMP, TO XBAR 2-13 & RSS 4-8AC
	(2) TRACKER Y OUTPUT (SHAFT) TO TPA AMP, TO XBAR 1-13 & RSS 3-8AC

SERVO TEST SWITCH

MOMENTARY ON POSITION--ROUTES 5VDC TO T85-18(GRN) AND 10VDC TO T85-27(GRN)

TACH FEED BACK MULTIPLIER SELECT SWITCHES (SIG AVAIL CODE 5)

SIGNAL	MULT.	RSS	XBAR
SXT SH TACH FDBK (B/A)	.1 OR 1.0	1-12	2-07
SXT TR TACH FDBK (B/A)	.1 OR 1.0	2-12	2-09
SCT TR TACH FDBK (B/A)	.1 OR 1.0	5-11AC	1-05

PROBE ROUTING (TPA NO. 2)

1. BUFFERED PROBE J7 HI (RED) TO XBAR 1-99 & J8 LO(BLK) AIP BUFFERED PROBE OUT
2. DIRECT PROBE J9 HI(GRN) TO XBAR 2-99 & J10 LO(BLK) AIP DIRECT PROBE OUT
3. PULSE PROBE J5 HI (COAX) TO AIP (J4-F),D PULSE J6 LO(BLK) SW POS 13, & A-B SW (POS 13) DECK A

TEST POINT ADAPTER NO. 2 SIGNALS

PROBED SIGNALS	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	7	T82-43(GRN)	T82-18	1
4 VDC COMPTR TP	2	T82-27(GRN)	T82-25	1
14 VDC COMPTR TP	2	T82-26(GRN)	T82-25	1
+20 VDC	4	T82-45(GRN)	T82-49	1
-20 VDC	4	T82-46(GRN)	T82-49	1
27 VDC RLP (AT OIA ON)	7	T82-37(GRN)	T82-40	1
28 VDC G&N (AT OIA ON)	7	T82-36(GRN)	T85-22	1
+28 VDC IMU OPERATE	4	T81-22(GRN)	T85-39	2,8
+28 VDC IMU STANDBY	4	T85-26(GRN)	T85-30	1
+28 VDC COMPTR TP	2	T82-28(GRN)	T82-25	1
+28 VDC OPTICS	5	T85-45(GRN)	T85-49	1
-28 VDC TP	4	T85-19(GRN)	T85-22	1
+30 VDC GSE	7	T82-38(GRN)	T82-42	1
-30 VDC GSE	7	T82-39(GRN)	T82-42	1
+120 VDC PIPA (BUFFERED)	4	T82-14(GRN)	T82-17	2.91
TVC PITCH (SHAFT)	5	T84-29(GRN)	T84-33	1
TVC YAW (TRUN)	5	T84-28(GRN)	T84-32	1
28 V 1% 800 CPS IMU MON	4	T85-24(RED)	T85-9	10.2
28 V 5% 800 CPS IMU #A MON	4	T85-37(RED)	T85-33	10.2
28 V 5% 800 CPS IMU #B MON	4	T85-29(RED)	T85-33	10.2
800 CPS 28V 1% OPT. MON	5	T85-44(RED)	T85-48	10.2
800 CPS 28V 5% OPT. MON	5	T85-35(RED)	T85-48	10.2
3200 CPS 28V 1%	4	T85-20(RED)	T85-23	10.2
3.2 KPPS	2	T81-6 (BLU)	T81-9	1
IG COARSE ERROR TP (CDU)	4	T82-47(RED)	T82-18	1.01
MG COARSE ERROR TP (CDU)	4	T82-41(RED)	T82-18	1.01
OG COARSE ERROR TP (CDU)	4	T82-35(RED)	T82-18	1.01
IG FINE ERROR	4	T83-37(RED)	T83-34	1.01
MG FINE ERROR	4	T83-38(RED)	T83-34	1.01
OG FINE ERROR	4	T83-41(RED)	T83-34	1.01
IG TM CURRENT MON	4	T82-31(GRN)	T81-49	1
MG TM CURRENT MON	4	T82-32(GRN)	T81-49	1
OG TM CURRENT MON	4	T81-45(GRN)	T81-49	1
IG SERVO AMP INPUT TP	4	T85-32(GRN)	T85-40	1
MG SERVO AMP INPUT TP	4	T85-41(GRN)	T85-40	1
OG SERVO AMP INPUT TP	4	T85-31(GRN)	T85-40	1
IG SERVO AMP TEST INPUT	4	T82-11(RED)	T82-7	1
MG SERVO AMP TEST INPUT	4	T82-10(RED)	T82-7	1
OG SERVO AMP TEST INPUT	4	T82-4 (RED)	T82-7	1
IG DC D/A CDU OUTPUT	4	T84-36(GRN)	T84-40	1
MG DC D/A CDU OUTPUT	4	T84-35(GRN)	T84-39	1
OG DC D/A CDU OUTPUT	4	T84-34(GRN)	T84-38	1
IG PITCH CDU ATT ERR (LOADED)	4	T84-45(RED)	T84-49	1.01
MG YAW CDU ATT ERR (LOADED)	4	T84-44(RED)	T84-48	1.01
OG ROLL CDU ATT ERR (LOADED)	4	T84-43(RED)	T84-47	1.01
X PIPA G/S OUTPUT	4	T82-19(RED)	T82-22	1.01
Y PIPA G/S OUTPUT	4	T82-20(RED)	T82-23	1.01
Z PIPA G/S OUTPUT	4	T82-21(RED)	T82-24	1.01
SCT SHAFT MDA PREAMP MON	5	T83-21(RED)	T83-28	1.01
SCT SHAFT MDA TACH MON	5	T83-32(RED)	T83-28	1.01
SCT SHAFT MDA O/P MON #1	5	T83-25(RED)	T83-28	1.01
SCT TRUN MDA PREAMP MON	5	T83-20(RED)	T83-35	1.01
SCT TRUN MDA TACH MON	5	T83-39(RED)	T83-35	1.01
SCT TRUN MDA O/P MON #1	5	T83-24(RED)	T83-35	1.01
SXT SHAFT MDA PREAMP MON	5	T83-31(RED)	T83-46	1.01
SXT SHAFT MDA TACH MON	5	T83-42(RED)	T83-46	1.01
SXT SHAFT MDA O/P MON #1	5	T83-27(RED)	T83-46	1.01
SXT TRUN MDA PREAMP MON	5	T83-29(RED)	T83-40	1.01
SXT TRUN MDA TACH MON	5	T83-36(RED)	T83-40	1.01
SXT TRUN MDA O/P MON #1	5	T83-26(RED)	T83-40	1.01
TRUN FINE ERROR	5	T83-30(RED)	T83-34	1.01
SHAFT FINE ERROR	5	T83-33(RED)	T83-34	1.01
TRACKER X OUTPUT (TRUN)	5	T83-43(RED)	T83-47	1.01
TRACKER Y OUTPUT (SHAFT)	5	T83-44(RED)	T83-48	1.01
BLOWER SIGNAL (TELE)	4	T84-20(RED)	T85-33	1
CONTROL HEATER SIGNAL (TELE)	4	T84-21(GRN)	T85-22	1
CGC TEMP MON	2	T85-14(GRN)	T85-15	1
IRIG TEMP (FROM SIG. COND)	2	T85-16(GRN)	T85-17	1
PIPA CAL MOD TEMP	4	T81-31(GRN)	T81-27	1
PSA TEMP	7	T85-12(GRN)	T85-13	1
IG AC D/A ERROR	1	T81-24(RED)	T81-28	1.01
MG AC D/A ERROR	1	T81-21(RED)	T81-25	1.01
OG AC D/A ERROR	1	T81-19(RED)	T81-23	1.01
CDU TRUN FINE ERROR (B/A OUT)	5	T83-22(RED)	T83-34	1.01
CDU SHAFT FINE ERROR (B/A OUT)	5	T83-23(RED)	T83-34	1.01
SERVO TEST 5 VDC	4	T85-18(GRN)	T82-7	1
SERVO TEST 10 VDC	4	T85-27(GRN)	T82-7	1
SERVO TEST 5VDC (MONITOR)	4	T85-10 (GRN)	T82-7	1
SERVO TEST 10VDC (MONITOR)	4	T85-11 (GRN)	T82-7	1
PSAAM PWR NO.1	4	T81-26 (GRN)	T85-30	1
PSAAM PWR NO. 2	4	T81-30 (BLK)	T85-30	1
PSAAM PWR NO. 3	4	T82-48 (BLK)	T85-30	1

TEST SELECTOR PROGRAMMED TESTS

TEST	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
INTERFACE LOAD TEST	
MASTER ALARM ANNUNCIATOR	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
SCS LOAD TEST	5
DSKY INTERFACE TEST	6
ACE BIAS NO.1	7
ACE BIAS NO.2	8
NOT USED	9-11
FAILURE IND TEST	
IG CDU LIMIT CYCLE FAIL COMMD	1
MG CDU LIMIT CYCLE FAIL COMMD	2
OG CDU LIMIT CYCLE FAIL COMMD	3
IG 16X CDU FAIL COMMD	4
MG 16X CDU FAIL COMMD	5
OG 16X CDU FAIL COMMD	6
RR/OPTICS 16X SHAFT CDU FAIL COMMD	7
RR/OPTICS 16X TRUN CDU FAIL COMMD	8
RR/OPTICS SHAFT CDU LIMIT CYCLE FAIL COMMD	9
RR/OPTICS TRUN CDU LIMIT CYCLE FAIL COMMD	10
+14 VDC ISS FAIL COMMD	11
+14 VDC RR/OPTICS FAIL COMMD	12
NOT USED	13-23
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
G&N POWER HIGH	4
G&N POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11
CONTINUITY TEST	
NOT USED	1
SPACECRAFT LAMP TEST	2
PITCH UP	3
PITCH DOWN	4
YAW RIGHT	5
YAW LEFT	6
ROLL RIGHT	7
ROLL LEFT	8
UP TELEMETRY	9
MASTER ALARM RESET	10
NOT USED	11

SIGNAL CONDITIONER MONITOR TELEMETRY SIGNALS

LEVEL 1	POS
+28 VDC CGC OPERATE	1
+28 VDC IMU STANDBY	2
+120 VDC PIPA SUPPLY LEVEL	3
+2.5 VDC TM BIAS	4
Z PIPA SG OUTPUT QUAD	5
3200 CPS 28V SUPPLY	6
Y PIPA SG OUTPUT QUAD	7
X PIPA SG OUTPUT QUAD	8
X PIPA +28VDC PVR INPUT	9
Y PIPA +28VDC PVR INPUT	10
Z PIPA +28VDC PVR INPUT	11
NOT USED	12
800 CPS 28V 1% IMU	13
YAW ATT ERR-CDU DAC OUT	14
PITCH ATT ERR-CDU DAC OUT	15
ROLL ATT ERR-CDU DAC OUT	16
Z PIPA SG OUTPUT IN PHASE	17
Y PIPA SG OUTPUT IN PHASE	18
X PIPA SG OUTPUT IN PHASE	19
IG 1X RSVR OUTPUT COS	20
MG 1X RSVR OUTPUT COS	21
OG 1X RSVR OUTPUT COS	22
IG 1X RSVR OUTPUT SIN	23
MG 1X RSVR OUTPUT SIN	24
OG 1X RSVR OUTPUT SIN	25
TRUN CDU DAC OUTPUT	26
SHAFT CDU DAC OUTPUT	27
800 CPS 28V 1% OPTICS (FQ)	28
SXT SHAFT TACH OUTPUT (FQ)	29
SXT TRUN TACH OUTPUT (FQ)	30
NOT USED	31
IG TM CURRENT	32
MG TM CURRENT	33
OG TM CURRENT	34
NOT USED	35
NOT USED	36
IGA SERVO ERROR IN PHASE	37
MGA SERVO ERROR IN PHASE	38
OGA SERVO ERROR IN PHASE	39
NOT USED	40
NOT USED	41
NOT USED	42
NOT USED	43
NOT USED	44
NOT USED	45
SHAFT CDU FINE ERROR (FQ)	46
TRUN CDU FINE ERROR (FQ)	47
SCT SHAFT TACH OUTPUT (FQ)	48
SCT TRUN TACH OUTPUT (FQ)	49
IMU HEATER CURRENT (FQ)	50
IMU BLOWER CURRENT (FQ)	51
NOT USED	52
LEVEL 2	
PIPA TEMPERATURE	1
IRIG TEMPERATURE	2
+28 VDC OPTICS OPERATE	3
+28 VDC CGC WARNING	4
NOT USED	5
NOT USED	6
NOT USED	7

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

USE FOR BLOCK II ONLY

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

TPA NO.1 IS THE PTA/PEA-TPA ; TPA NO. 2 PSA-TPA

2901077 REV F

2900023-021	2900023-011
2900023-011	2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± .01, 3 PLACE DECIMALS ± .005, ANGLES ± 1°. DO NOT SCALE THIS DRAWING. MATERIAL ——— APPROVAL

AC ELECTRONICS DIVISION, GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN R. Parker 6 JAN 66 DATE
CHECKED [illegible] 12 JAN 66
APPROVAL [illegible]
CONTRACT NAS 9-497
NASA APPROVAL A. C. METZGER
MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER, HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO 99974 | 2901077

SCALE —— | SHEET 2 OF 6

S80017

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO	DATE	APPROVED
	A	REVISED PER DO61809		23 NOV 66	
	B	REVISION STATUS CHANGED	2966	5 DEC 66	
	C	REVISION STATUS CHANGES		4 JAN 67	
	D	INITIAL RELEASE CLASS A PER TDRR 25668		2 MAR 67	
(P)	E	REVISED PER TDRR 29876		16 JUL 68	
(V)	F	REVISED PER TDRR 33206		22 AUG 68	
	G	REVISION STATUS CHANGES		14 AUG 68	

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+4 VDC CDU TEST POINT	4		1-18		
+14 VDC ISS CDU	1		1-67		
28 VDC G&N (FROM IMU)	4		1-00		
+28 VDC IMU OPERATE (I/F ONLY)	4		2-69		
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU OPERATE	4		2-20	4-4DC	
-28 VDC (TPA)	4	1.1	1-24	3-4DC	
120 VDC PIP	4		2-59		
400 CPS 60-70V(MON)	4		2-50		S7
800 CPS 28V 1% IMU	4		1-21	6-6AC	S1
400 CPS 5V(MON)	4		2-65		
800 CPS 28V 5% IMU WHEEL #A	1		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL #B	1		2-22		
3200 CPS 28V 1%	4		1-60		
3200 CPS 28V (TO RSS BUFF AMP)	4		1-23	5-7AC	S5
BLOWER CURRENT SENSOR	1		1-66	4-10AC	
IMU HEATER CURRENT	1		2-58	3-1DC	
ACCEL TEMP	4		2-55	3-3DC	
IRIG TEMP	4		1-56	4-3DC	
X PIPA G/S OUTPUT(B/A I V/V)	4		2-51	6-1AC	
Y PIPA G/S OUTPUT(B/A I V/V)	4		1-52	5-1AC	
Z PIPA G/S OUTPUT(B/A I V/V)	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	4			8-9	
X GYRO ERROR(B/A I V/V)	1		2-33	2-1	
Z GYRO ERROR(B/A I V/V)	1		2-34	3-1AC	
IMU IG AND Y GYRO ERROR(B/A I V/V)	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IMU MG ERROR(B/A I V/V)	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
IMU OG ERROR(B/A I V/V)	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
IG CDU FINE ERROR(B/A I V/V)	4	1.01	2-29	1-5	
MG CDU FINE ERROR(B/A I V/V)	4	1.01	2-28	2-5	
OG CDU FINE ERROR(B/A I V/V)	4	1.01	2-27	3-5AC	
SIN AIG 16X (B/A I V/V)	1		1-50	6-4AC	
SIN AIG 16X (B/A 5.6 V/V)	1	.179	1-39	5-6AC	
COS AIG 16X (B/A I V/V)	1		2-49		
COS AIG 16X (B/A 5.6 V/V)	1	.179	2-39	4-6AC	
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (B/A I V/V)	1		1-49	5-4AC	
SIN AMG 16X (B/A 5.6 V/V)	1	.179	1-40	1-6	
COS AMG 16X (B/A I V/V)	1		2-48		
COS AMG 16X (B/A 5.6 V/V)	1	.179	2-40	2-6	
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (B/A I V/V)	1		1-48	4-4AC	
SIN AOG 16X (B/A 5.6 V/V)	1	.179	1-41	3-6AC	
COS AOG 16X (B/A I V/V)	1		2-47		
COS AOG 16X (B/A 5.6 V/V)	1	.179	1-29	1-7	
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
AUX HEATER VOLTAGE	4		2-25		
AUX HEATER CURRENT	4		1-58		
TEMP OUT OF LIMITS	2		1-68		
TEMP WITHIN LIMITS	1				5-3DC
SIG CONDITIONER (GDB STEPPER)	2		2-71	8-4	
X PIP 28 VDC PWR	4		1-95		
Y PIP 28 VDC PWR	4		2-95		
Z PIP 28 VDC PWR	4		1-96		
28V 800CPS 1% (SCS REF)	4		1-19	6-8AC	

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

ISS PULSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU△⊕	1	J2-G	P4	4 & 18	
-IG CDU△⊕	1	J2-H	P4	19	4
+IG CDU SET(CMS)	1		P7	7	18
-IG CDU SET(CMS)	1		P7		7 & 19
+MG CDU△⊕	1	J2-J	P5	5 & 20	
-MG CDU△⊕	1	J2-K	P5	21	5
+MG CDU SET(CMS)	1		P8	8	20
-MG CDU SET(CMS)	1		P8		8 & 21
+OG CDU△⊕	1	J2-L	P6	6 & 22	
-OG CDU△⊕	1	J2-M	P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
X PIPA +△V	1		P10	10	
X PIPA -△V	1		P10		10
Y PIPA +△V	1		P11	11	
Y PIPA -△V	1		P11		11
Z PIPA +△V	1		P12	12	
Z PIPA -△V	1		P12		12
PULSE PROBE (TPA 2)	4	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	4		P14		
+ AUXILIARY INPUT JACK	4		S15	15	
- AUXILIARY INPUT JACK	4		S15		15
TORQUE SET(GCP)	1		P22		
B SCOPE INPUT CH 1	4	J1-A			
B SCOPE INPUT CH 1	4	J1-C			
A SCOPE INPUT	4	J1-E			
DELAY LINE IN	4	J1-K			
DELAY LINE OUT	4	J1-M			
IG +△⊖ ABORT	4	J2-A			
IG -△⊖ ABORT	4	J2-B			
MG +△⊖ ABORT	4	J2-C			
MG -△⊖ ABORT	4	J2-D			
OG +△⊖ ABORT	4	J2-E			
OG -△⊖ ABORT	4	J2-F			
+AZ/SHAFT CDU△⊕	1	J3-A			
-AZ/SHAFT CDU△⊕	1	J3-B			
+EL/TRUN CDU△⊕	1	J3-C			
-EL/TRUN CDU△⊕	1	J3-D			
PX VELOCITY PULSE	1	J3-G			
MX VELOCITY PULSE	1	J3-H			
PY VELOCITY PULSE	1	J3-J			
MY VELOCITY PULSE	1	J3-K			
PZ VELOCITY PULSE	1	J3-L			
MZ VELOCITY PULSE	1	J3-M			
CDU CLOCK (51.2 KPPS)	1	J4-A			
800 PPS 0°	1	J4-B			
3.2 KPPS 0°	1	J4-C			
PULSE PROBE (FROM TPA NO.1)	4	J4-E			
CDU ZERO ABORT	4	J4-G			

OPTICS SIGNALS

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+14 VDC OPTICS/RR CDU		1	2-68		
28 VDC OPTICS HTR PWR		2	2-67		
RETICLE LAMP VOLTAGE		2	1-69		
CDU SHAFT FINE ERROR(B/A I V/V)	1.01	4	2-05	6-11AC	
CDU TRUN FINE ERROR(B/A I V/V)	1.01	4	2-06	5-12AC	
+X OPT CDU SET (CMS)		1			P-18
-X OPT CDU SET (CMS)		1			P-19
+Y OPT CDU SET (CMS)		1			P-20
-Y OPT CDU SET (CMS)		1			P-21

OPTICS PULSE SIGNALS

SIGNAL	SIG AVAIL	CTR D	CTR A	CTR B
+X OPT (SHAFT)(CDU△⊕)	1	P-16	16	
-X OPT (SHAFT)(CDU△⊕)	1	P-16		16
+Y OPT (TRUN)(CDU△⊕)	1	P-17	17	
-Y OPT (TRUN)(CDU△⊕)	1	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC COMP T.P.	2	1-93		
+14 VDC COMP T.P.	2	2-93		
+4 VDC COMP T.P.	2	1-94		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RD	2		3-14DC	

GSE SIGNALS

SIGNAL	SIG AVAIL	MUX INPUT	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+3 VDC (COMPTR SIMULATOR)	1		2-78		
+13 VDC STBY (COMPTR SIMULATOR)	1		1-78		
+27 VDC OIA ON (RLP)	4		1-79	6-11DC	
+28 VDC G&N	4		1-71	8-11	
+28 VDC STBY BUSS A	4		1-72		
+28 VDC IMU BUSS A	4		1-73		
+28 VDC AGC BUSS A	2		1-75		
+30 VDC GSE PWR	4		1-70	4-11DC	
-30 VDC GSE PWR	4		2-70	3-11DC	
115V 60 CPS #A OIA ON	4		2-79		
115V 60 CPS #B OIA ON	4		1-80		
115V 60 CPS #C OIA ON	4		2-80		
400 CPS 115V O# (GSE)	4		2-77		
115V 400 CPS #/# (GSE)	4		1-85		
400 CPS 115V (A/B)	4		1-77		
800 CPS 0° ISS REF (B/A)	4		2-81		
800 CPS 90° ISS REF (B/A)	4		2-82		
800 CPS VAR PH REF (B/A)	4		2-83		
3200 CPS 28.5V FDBK	4		1-81		
OIA 3200 CPS 30V PWR SUPPLY	4		1-87		
3200 CPS VAR PH ISS REF (B/A)	4		1-83		
3200 CPS REF (BUFF)(B/A)	4		1-82		
IRIG # SHIFTER OUPT (3200 CPS 0°)	4		2-85		
PIPA # SHIFTER OUPT (3200 CPS 45°)	4		1-86		
SIGNAL GEN OUTPUT	4		1-76	5-1 DC	
BCD 1 DIGIT 1 FR CTR (LSD)	4			4-7 DC	
IG TDA TEST OUTPUT	1		1-91		
MG TDA TEST OUTPUT	1		2-92		
OG TDA TEST OUTPUT	1		1-92		
TEST START LIGHT(COMMD)	4			7-9	
SIGNAL GEN OUTPUT (X4)	4		2-86		
BUFFERED PROBE (TPA NO.1)	4	J4-M	1-98		
BUFFERED PROBE (TPA NO.2)	4	F/P	1-99		
DIRECT PROBE (TPA NO.1)	4	J4-L	2-98		
DIRECT PROBE (TPA NO.2)	4	F/P	2-99		
CTR AUXILIARY INPUT	7	F/P			S15

SCOPE B INPUT 2

SIGNAL	SW POS
RSS CH1	1
RSS CH2	2
RSS CH3	3
RSS CH4	4
RSS CH5	5
RSS CH6	6
RSS CH7	7
RSS CH8	8
AUX INPUT AC	9

A & B SCOPE REF INPUTS

SIGNAL	SW POS
800 CPS ISS O#	1
800 CPS VAR #	2
3200 CPS O#	3
3200 CPS VAR #	4
800 CPS OPT O#	5
AUX INPUT(A SCOPE)	9 & AIP F/P

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV F

USE FOR LEM ONLY

2900023-021	2900023-021	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE DECIMALS DECIMALS ANGLES ± ± ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS
2900023-011	2900023-011	DO NOT SCALE THIS DRAWING	DRAWN R. Parker 6 JAN 66
NEXT ASSY	USED ON	MATERIAL	CHECKED 17 JAN 66
APPLICATION		APPROVAL	APPROVAL
			CONTRACT NAS 9-497
			NASA APPROVAL
			MIT APPROVAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO 99974 | 2901077

SCALE — | SHEET 3 OF 6

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER DO61869		29 MAR 66	
	B	REVISED PER D.O. 61936		5 APR 66	
	C	REVISED		19 APRIL 66	
	D	INITIAL RELEASE CLASS A PER TDRR 2866		2 MAY 66	
	E	REVISED PER TDRR 29808		4 JUL 66	
	F	REVISED PER TDRR 30206		27 JUL 66	
	G	REVISED PER TDRR 30534		4 AUG 66	

TEST POINT ADAPTER NO.1 SIGNALS

PIPA & IRIG S/F MONITOR SWITCH (TRIAX TO CURRENT SOURCE MONITOR)	SIG AVAIL	POS
X PIPA PVR	4	1
X PIPA TORQUE CURRENT MONITOR	4	2
X PIPA SCALE FACTOR	4	3
Y PIPA PVR	4	4
Y PIPA TORQUE CURRENT MONITOR	4	5
Y PIPA SCALE FACTOR	4	6
Z PIPA PVR	4	7
Z PIPA TORQUE CURRENT MONITOR	4	8
Z PIPA SCALE FACTOR	4	9
IRIG PVR	4	10
IRIG TORQUE CURRENT MONITOR	4	11
IRIG SCALE FACTOR	4	12

PROBED SIGNALS	MULT BY	SIG AVAIL	HI	LO(BLK)
+20 VDC		4	T81-9 (GRN)	T81-10
-20 VDC		4	T81-11(GRN)	T81-10
X PIP G/S OUTPUT	1.01	4	T81-17(RED)	T81-18
Y PIP G/S OUTPUT	1.01	4	T81-15(RED)	T81-16
Z PIP G/S OUTPUT	1.01	4	T81-13(RED)	T81-14
X PIP PX	8	4	T81-19(BLU)	T81-18
X PIP NX	8	4	T81-22(BLU)	T81-18
Y PIP PY	8	4	T81-20(BLU)	T81-16
Y PIP NY	8	4	T81-23(BLU)	T81-16
Z PIP PZ	8	4	T81-21(BLU)	T81-14
Z PIP NZ	8	4	T81-24(BLU)	T81-14

PROBE ROUTING (TPA NO.1)

1. BUFFERED PROBE — J7 HI(RED) TO XBAR 1-98 & AIP(J4-M); J8 LO(BLK)
2. DIRECT PROBE — J5 HI(GRN) TO XBAR 2-98 & AIP(J4-L); J6 LO(BLK)
3. PULSE PROBE — J3 HI(COAX) TO AIP(J4-E); J4 LO(BLK)

TEST POINT ADAPTER NO.2 SIGNALS

SWITCHES

IRIG S/F MONITOR - USE FOR BLK II ONLY

OPT/ISS SWITCH

POSITION	SIGNAL ROUTING
ISS	(1) MG CDU FINE ERROR TO TPA AMP, TO XBAR 2-28, & RSS 2-5
	(2) OG CDU FINE ERROR TO TPA AMP, TO XBAR 2-27, & RSS 3-5 AC
OPT	NOT USED

SERVO TEST SWITCH

MOMENTARY ON POSITION--ROUTES 5 VDC TO T85-18(GRN) AND 10 VDC TO T85-27(GRN)

PROBE ROUTING (TPA NO.2)

1. BUFFERED PROBE — J7 HI(RED) TO XBAR 1-99 & J8 LO(BLK) AIP BUFFERED PROBE OUT
2. DIRECT PROBE — J9 HI(GRN) TO XBAR 2-99 & J10 LO(BLK) AIP DIRECT PROBE OUT
3. PULSE PROBE — J5 HI(COAX) TO AIP(J4-F), D PULSE J6 LO(BLK) SW POS 13, & A-8 SW (POS 13) DECK A

PROBED SIGNALS (WITHOUT SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	4	T82-43(GRN)	T82-18	1
4 VDC CMPTR TP	2	T82-27(GRN)	T82-25	1
14 VDC COMPTR TP	2	T82-26(GRN)	T82-25	1
27 VDC RLP O1A ON	4	T82-37(GRN)	T82-40	1
+28 VDC COMPTR TP	2	T82-28(GRN)	T82-25	1
28 VDC G&N	4	T82-36(GRN)	T85-22	1
+28 VDC IMU OPERATE	4	T81-22(GRN)	T85-22	2.8
+28 VDC IMU STANDBY	4	T81-29(GRN)	T85-22	1
-28 VDC TP	4	T85-19(GRN)	T85-22	1
+30 VDC GSE	4	T82-38(GRN)	T82-42	1
-30 VDC GSE	4	T82-39(GRN)	T82-42	1

TPA NO.1 IS THE PTA/PEA-TPA; TPA NO.2 IS THE PSA-TPA.
WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

PROBED SIGNALS (WITHOUT SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
800 CPS 28V 5% ΦA TP	2	T85-37(RED)	T85-33	10.2
800 CPS 28V 5% ΦB TP	2	T85-29(RED)	T85-33	10.2
800 CPS P/S TEMP	4	T85-12(GRN)	T85-13	1
3.2 KPPS	2	T81-6 (BLU)	T81-9	1
IG COARSE ERR TP (CDU)	4	T82-47(RED)	T82-18	1.01
MG COARSE ERR TP (CDU)	4	T82-41(RED)	T82-18	1.01
OG COARSE ERR TP (CDU)	4	T82-35(RED)	T82-18	1.01
IG FINE ERR TP (CDU)	4	T83-37(RED)	T83-34	1.01
MG FINE ERR TP (CDU)	4	T83-38(RED)	T83-34	1.01
OG FINE ERR TP (CDU)	4	T83-41(RED)	T83-34	1.01
IG TM CURRENT TP	4	T82-31(GRN)	T81-49	1
MG TM CURRENT TP	4	T82-32(GRN)	T81-49	1
OG TM CURRENT TP	4	T81-45(GRN)	T81-49	1
IG SERVO AMP TEST INPUT	4	T82-11(RED)	T82-7	1
MG SERVO AMP TEST INPUT	4	T82-10(RED)	T82-7	1
OG SERVO AMP TEST INPUT	4	T82-4 (RED)	T82-7	1
IG AC D/A ERROR TO FDAI	2	T81-24(RED)	T81-28	1.01
MG AC D/A ERROR TO FDAI	2	T81-21(RED)	T81-25	1.01
OG AC D/A ERROR TO FDAI	2	T81-19(RED)	T81-23	1.01
IG AC D/A ERR TO FDAI (LOADED)	4	T84-45(RED)	T84-49	1.01
MG AC D/A ERR TO FDAI (LOADED)	4	T84-44(RED)	T84-48	1.01
OG AC D/A ERR TO FDAI (LOADED)	4	T84-43(RED)	T84-47	1.01
AZ/SHAFT FINE ERROR (BUFF)	4	TB3-23 RED	TB3-34	1.01
EL/TRUN FINE ERROR(BUFF)	4	TB3-22 RED	TB3-34	1.01
SIN AIG 1X	2	T81-33(RED)	T81-32	1.01
COS AIG 1X	2	T81-35(RED)	T81-34	1.01
SIN AMG 1X	2	T81-37(RED)	T81-36	1.01
COS AMG 1X	2	T81-39(RED)	T81-38	1.01
SIN AOG 1X	2	T81-41(RED)	T81-40	1.01
COS AOG 1X	2	T81-46(RED)	T81-42	1.01
AZ/SHAFT COARSE ERR TP (CDU)	4	T82-34(RED)	T82-18	1.01
AZ/SHAFT FINE ERR (CDU)	4	T83-33(RED)	T83-34	1.01
AZ/SHAFT SIN 16X	4	T81-43(RED)	T81-47	1.01
AZ/SHAFT COS 16X	4	T81-44(RED)	T81-48	1.01
AZ/SH AC D/A TO FDAI (LOADED)	4	T84-42(RED)	T84-46	1.01
AZ/SHAFT SIN 1X	4	T84-30(RED)	T84-31	1.01
AZ/SHAFT COS 1X	4	T84-22(RED)	T84-23	1.01
EL/TRUN COARSE ERR TP (CDU)	4	T82-33(RED)	T82-18	1.01
EL/TRUN FINE ERR (CDU)	4	T83-30(RED)	T83-34	1.01
EL/TRUN SIN 16X	4	T82-12(RED)	T82-15	1.01
EL/TRUN COS 16X	4	T82-13(RED)	T82-16	1.01
EL/TR AC D/A TO FDAI (LOADED)	4	T84-37(RED)	T84-41	1.01
EL/TRUN SIN 1X	4	T84-26(RED)	T84-27	1.01
EL/TRUN COS 1X	4	T84-24(RED)	T84-25	1.01
TEMP MON 1	2	T85-14(GRN)	T85-15	1
PIPA CAL MOD TEMP	4	T81-31(GRN)	T81-27	1
HEATER TELEMETRY DISCRETE	2	T84-21(GRN)	T85-22	1
BLOWER TELE DISCRETE	2	T84-20(RED)	T85-33	1
FORWARD VELOCITY	4	T84-29(GRN)	T84-33	1
LATERAL VELOCITY	4	T84-28(GRN)	T84-32	1
UPLINK O	2	T81-12(BLU)	T81-15	2
UPLINK 1	2	T81-13(BLU)	T81-17	2
SERVO TEST 5 VDC	4	T85-18(GRN)	T82-7	1
SERVO TEST 10 VDC	4	T85-27(GRN)	T82-7	1
SERVO TEST 5 VDC (MONITOR)	4	T85-10(GRN)	T82-7	1
SERVO TEST 10 VDC (MONITOR)	4	T85-11(GRN)	T82-7	1

PROBED SIGNALS (WITH SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
+4 VDC TP-CDU	2	T82-43(GRN)	T82-18	1
4 VDC CMPTR TP	2	T82-27(GRN)	T82-25	1
14 VDC COMPTR TP	2	T82-26(GRN)	T82-25	1
+28 VDC COMPTR TP	2	T82-28(GRN)	T82-25	1
+28 VDC IMU OPERATE	2	T81-22(GRN)	T85-22	2.8
+28 VDC IMU STANDBY	2	T81-29(GRN)	T85-22	1
-28 VDC VDC TP	2	T85-19(GRN)	T85-22	1
800 CPS 28V 5% ΦA TP	2	T85-37(RED)	T85-33	10.2
800 CPS 28V 5% ΦB TP	2	T85-29(RED)	T85-33	10.2
800 CPS P/S TEMP (PSA)	2	T85-12(GRN)	T85-13	1
3200 CPS 1% 28V MON	2	T85-20(RED)	T85-23	10.2
3.2 KPPS	2	T81-6 (BLU)	T81-9	1
IG COARSE ERROR TP (CDU)	2	T82-47(RED)	T82-18	1.01
MG COARSE ERROR TP (CDU)	2	T82-41(RED)	T82-18	1.01
OG COARSE ERROR TP (CDU)	2	T82-35(RED)	T82-18	1.01
IG FINE ERROR TP (CDU)	2	T83-37(RED)	T83-34	1.01
MG FINE ERROR TP (CDU)	2	T83-38(RED)	T83-34	1.01
OG FINE ERROR TP (CDU)	2	T83-41(RED)	T83-34	1.01
IG TM CURRENT TP	2	T82-31(GRN)	T81-49	1
MG TM CURRENT TP	2	T82-32(GRN)	T81-49	1
OG TM CURRENT TP	2	T81-45(GRN)	T81-49	1
IG SERVO AMP TEST INPUT	2	T82-11(RED)	T82-7	1
MG SERVO AMP TEST INPUT	2	T82-10(RED)	T82-7	1
OG SERVO AMP TEST INPUT	2	T32-4 (RED)	T82-7	1
X PIPA G/S OUTPUT	2	T82-19(RED)	T82-22	1.01

PROBED SIGNALS (WITH SIGNAL CONDITIONER)	SIG AVAIL	HI	LO(BLK)	MULT BY
Y PIPA G/S OUTPUT	2	T82-20(RED)	T82-23	1.01
Z PIPA G/S OUTPUT	2	T82-21(RED)	T82-24	1.01
AZ/SHAFT COARSE ERROR TP (CDU)	2	T82-34(RED)	T82-18	1.01
AZ/SHAFT FINE ERROR TP (CDU)	2	T83-33(RED)	T83-34	1.01
EL/TRUN COARSE ERROR TP (CDU)	2	T82-33(RED)	T82-18	1.01
EL/TRUN FINE ERROR TP (CDU)	2	T83-30(RED)	T83-34	1.01
PIPA CAL MOD TEMP	2	T81-31(GRN)	T81-27	1
TEMP MON 1 (COMP)	2	T85-14(GRN)	T85-15	1
IRIG TEMP	2	T85-16(GRN)	T85-17	1
EL/TRUN FINE ERR TP(CDU)(B/A)	2	T83-22(RED)	T83-34	1.01
AZ/SH FINE ERR TP(CDU)(B/A)	2	T83-23(RED)	T83-34	1.01
IG SERVO ERROR TP	2	T85-32(GRN)	T85-40	1.01
MG SERVO ERROR TP	2	T85-41(GRN)	T85-40	1.01
OG SERVO ERROR TP	2	T85-31(GRN)	T85-40	1.01
HEATER TELEMETRY DISCRETE	4	T84-21(GRN)	T85-22	1
BLOWER TELEMETRY DISCRETE	4	T84-20(RED)	T85-33	1
UPLINK O	2	T81-12(BLU)	T81-15	2
UPLINK 1	2	T81-13(BLU)	T81-17	2
+30 VDC GSE	2	T82-38(GRN)	T82-42	1
-30 VDC GSE	2	T82-39(GRN)	T82-42	1
27 VDC RLP O1A ON	2	T82-37(GRN)	T82-40	1
28 VDC G/N	2	T82-36(GRN)	T85-22	1
SERVO TEST 5 VDC	2	T85-18(GRN)	T82-7	1
SERVO TEST 10 VDC	2	T85-27(GRN)	T82-7	1
SERVO TEST 5 VDC (MONITOR)	2	T85-10(GRN)	T82-7	1
SERVO TEST IOVDC (MONITOR)	2	T85-11(GRN)	T82-7	1
PSAAM PWR NO.1	2	T81-26(GRN)	T82-7	1
PSAAM PWR NO.2	2	T81-30(BLK)	T82-7	1
PSAAM PWR NO.3	2	T82-48 (BLK)	T82-7	1

TEST SELECTOR PROGRAMMED TESTS

	POS
GIMBAL SERVO TEST	
IG RESPONSE	1
MG RESPONSE	2
OG RESPONSE	3
NOT USED	4-11
INTERFACE LOAD TEST	
NOT USED	1
IG ATTITUDE SET RSVR LOAD	2
MG ATTITUDE SET RSVR LOAD	3
OG ATTITUDE SET RSVR LOAD	4
SCS LOAD TEST	5
DSKY INTERFACE TEST	6
CONTROL NO. 1	7
CONTROL NO. 2	8
NOT USED	9-11
FAILURE IND TEST	
IG CDU LIMIT CYCLE FAIL COMMD	1
MG CDU LIMIT CYCLE FAIL COMMD	2
OG CDU LIMIT CYCLE FAIL COMMD	3
IG 16X CDU FAIL COMMD	4
MG 16X CDU FAIL COMMD	5
OG 16X CDU FAIL COMMD	6
RR/OPTICS 16X SHAFT CDU FAIL COMMD	7
RR/OPTICS 16X TRUN CDU FAIL COMMD	8
RR/OPTICS SHAFT CDU LIMIT CYCLE FAIL COMMD	9
RR/OPTICS TRUN CDU LIMIT CYCLE FAIL COMMD	10
+14 VDC ISS FAIL COMMD	11
+14 VDC RR/OPTICS FAIL COMMD	12
NOT USED	13-23
ALARM TEST	
DUCOSYN FAIL LOW FREQ	1
DUCOSYN FAIL HIGH FREQ	2
DUCOSYN FAIL LOW VOLTAGE	3
AGE POWER HIGH	4
AGE POWER LOW	5
60 CPS A PHASE FAIL	6
60 CPS B PHASE FAIL	7
60 CPS C PHASE FAIL	8
NOT USED	9-11

SIGNAL CONDITIONER MONITOR TELEMETRY SIGNALS

LEVEL 1	
LGC OPERATE	1
IMU STANDBY	2
120 VDC REF	3
PCM 2.5 VDC BIAS	4
Z PIPA S/G OUTPUT QUAD	5
3200 CPS 1%	6
Y PIPA S/G OUTPUT QUAD	7
X PIPA S/G OUTPUT QUAD	8
X PIPA PVR	9
Y PIPA PVR	10
Z PIPA PVR	11
NOT USED	12
800 CPS 1%	13
YAW ATT ERROR	14
PITCH ATT ERROR	15
ROLL ATT ERROR	16
Z PIPA S/G OUT	17
Y PIPA S/G OUT	18
X PIPA S/G OUT	19
IG 1X RSVR COS	20
MG 1X RSVR COS	21
OG 1X RSVR COS	22
IG 1X RSVR SIN	23
MG 1X RSVR SIN	24
OG 1X RSVR SIN	25
NOT USED	26
NOT USED	27
TRUN 1X RSVR SIN	28
SHAFT 1X RSVR SIN	29
SHAFT 1X RSVR COS	30
TRUN 1X RSVR COS	31
IG TM CURRENT	32
MG TM CURRENT	33
OG TM CURRENT	34
CAL MOD TEMP	35
NOT USED	36
IG SERVO ERROR	37
MG SERVO ERROR	38
OG SERVO ERROR	39
IG FINE ERROR	40
MG FINE ERROR	41
OG FINE ERROR	42
NOT USED	43
NOT USED	44
R AND D 2.5 VDC BIAS	45
SHAFT FINE ERROR	46
TRUN FINE ERROR	47
NOT USED	48
NOT USED	49
IMU HEATER CURRENT	50
IMU BLOWER CURRENT	51
NOT USED	52

LEVEL 2	
PIPA TEMP	1
IRIG TEMP	2
OG 1X RSVR SIN +/-10°	3
IG 1X RSVR SIN +/-10°	4
MG 1X RSVR SIN +/-10°	5
NOT USED	6
NOT USED	7

SIGNAL AVAILABILITY CODE	
1	ISS ONLY
2	G/N ONLY
3	OSS ONLY
4	ISS & G/N
5	OSS & G/N
6	ISS & OSS
7	ISS/OSS/G/N

USE FOR LEM ONLY

2901077 REV F

2900023-021	2900023-021	MATERIAL	
2900023-011	2900023-011		
NEXT ASSY	USED ON		
APPLICATION		APPROVAL	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± — 3 PLACE ± — DECIMALS ANGLES ± — DO NOT SCALE THIS DRAWING

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN R Parker 6 JAN 66 DATE

CHECKED [illegible] 17 JAN 66

APPROVAL [illegible]

CONTRACT NAS9-497

NASA APPROVAL A. G. METZGER

MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO. 99974 | 2901077

SCALE — | SHEET 4 OF 6

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO	DATE	APPROVED
	A	REVISED PER DO6186		9-5-66	
	B	REVISED PER D.O. 61936		11-21-66	
	C	REVISION STATUS CHANGED		19 APRIL 67	
	D	INITIAL RELEASE CLASS A PER TDRR 28666		5-31-67	
	E	REVISED PER TDRR 29898		8-31-67	
	F	REVISED PER TDRR 30206		11-29-67	
	G	REVISION STATUS CHANGED		11-29-67	

ISS SIGNALS

SIGNAL	SIG AVAIL	MULT BY	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC STBY	4		1-20	7-11	
+28 VDC IMU	4		2-20	4-4DC	
-28 VDC (TPA)	4	1.1	1-24	3-4DC	
-28 VDC (SMC)	2		2-68		
32 VDC PIP	2		1-59		
120 VDC PIP	2		2-59		
ERROR DETECT LIGHT (28 VDC)	4		1-67		
GIMBAL LOCK (28 VDC)	4		2-67		
GIMBAL LOCK LIGHT (MDV DISP 28 VDC)	6		1-68		
+2D VDC CONDITIONING	4		1-57		
+2.5 VDC CONDITIONING	4		2-57		
400 CPS 6V	6		2-65		
400 CPS 26V	6		2-62		
400 CPS 1.5V ∅A	6		1-63		
400 CPS 1.5V ∅B	6		2-63		
400 CPS VAR ILL PWR (6V)	6		2-50		S7
800 CPS 28V 1% IMU	4		1-21	6-6AC	S1
800 CPS 28V 1% IMU (SCS REF)	4		2-21		
800 CPS 28V 5% IMU WHEEL ∅A	4		1-22	6-7AC	
800 CPS 28V 5% IMU WHEEL ∅B	4		2-22		
800 CPS 28V 5% ∠-90° IMU	4		1-19	6-8AC	
3200 CPS 2V (ISS ONLY)	1		1-60		
3200 CPS 2V FDBK	4		1-23	5-7AC	S5
3200 CPS 20V (SQ WAVE ∅A)	4		2-56		S6
3200 CPS 20V (SQ WAVE ∅B)	4		2-60		
25.6 KC IMU (2V)	4		2-23		S3
TEMP CONT AMPL OUT	4		2-19		
BLOWER CURRENT SENSOR (TELE)	4		2-54	5-4DC	
HEATER CURRENT (TELE)	4		1-55	6-4DC	
ACCEL TEMP (TELE)	4		2-55	3-3DC	
IRIG TEMP (TELE)	4		1-56	4-3DC	
X PIPA ERROR MONITOR	4		2-51	6-1AC	
Y PIPA ERROR MONITOR	4		1-52	5-1AC	
Z PIPA ERROR MONITOR	4		2-52	4-1AC	
PIPA LOOPS INHIBIT COMMAND	1			8-9	
X GYRO ERROR	4		2-33	2-1	
Z GYRO ERROR	4		2-34	3-1AC	
IMU IG AND Y GYRO ERROR	4		1-35	1-2	
IG TORQ MTR (VOLTAGE)	4		1-38	8-1	
IG TORQ MTR (CURRENT)	1		2-38	7-1	
IMU MG ERROR	4		1-34	2-2	
MG TORQ MTR (VOLTAGE)	4		1-37	7-2	
MG TORQ MTR (CURRENT)	1		2-37	6-2DC	
IMU OG ERROR	4		1-33	3-2AC	
OG TORQ MTR (VOLTAGE)	4		1-36	6-3DC	
OG TORQ MTR (CURRENT)	1		2-36	8-3	
IG CDU 16X ERROR (B/A)	4	1.01	2-29	1-5	
IG CDU 1X ERROR (S2)	4		2-32	3-4AC	
IG CDU 1/2X ERROR (S3)	1		1-32	2-3	
IG CDU DAC ERROR	4		2-46	6-2AC	
IG CDU MDA TACH	1		1-61		
IG CDU +DT UNCOND SQ WAVE	4			8-6	
IG CDU -DT UNCOND SQ WAVE	4			7-6	
IG CDU FAIL IND (SMC)	2		1-64		
MG CDU 16X ERROR(B/A)	4	1.01	2-28	2-5	
MG CDU 1X ERROR	4		2-31	1-4	
MG CDU 1/2X ERROR	1		1-31	3-3AC	
MG CDU DAC ERROR	4		2-45	5-2AC	
MG CDU MDA TACH	1		2-61		
MG CDU +DT UNCOND SQ WAVE	4			6-6DC	
MG CDU -DT UNCOND SQ WAVE	4			5-6DC	
MG CDU FAIL IND (SMC)	2		2-64		
OG CDU 16X ERROR (TLM)	2		2-35		
OG CDU 16X ERROR (B/A)	4	1.01	2-27	3-5AC	
OG CDU 1X ERROR	4		2-30	2-4	
OG CDU 1/2 X ERROR	1		1-30	1-3	
OG CDU DAC ERROR	4		2-44	4-2AC	
OG CDU MDA TACH	1		1-62		
OG CDU +DT UNCOND SQ WAVE	4			4-6DC	
OG CDU -DT UNCOND SQ WAVE	4			3-6DC	
OG CDU FAIL IND (SMC)	2		1-65		
SIN AIG 16X (TO CDU)	1		1-50	6-4AC	
COS AIG 16X	1		2-49		
SIN AIG 1X	4		1-44	4-7AC	
COS AIG 1X	4		2-43		
SIN AMG 16X (TO CDU)	1		1-49	5-4AC	
COS AMG 16X	1		2-48		
SIN AMG 1X	4		1-43	3-7AC	
COS AMG 1X	4		2-42		
SIN AOG 16X (TO CDU)	1		1-48	4-4AC	
COS AOG 16X	1		2-47		
SIN AOG 1X	4		1-42	2-7	
COS AOG 1X	4		2-41		
CONTINUITY TEST MONITOR	4		2-91		
IMU PRESSURE MONITOR	4		1-18		
CTR IMU DELAY	4				S13

SIGNAL AVAILABILITY CODE		
	1	ISS ONLY
	2	G/N ONLY
	3	OSS ONLY
	4	ISS & G/N
	5	OSS & G/N
	6	ISS & OSS
	7	ISS/OSS/G/N

ISS PULSE SIGNALS

SIGNAL	SIG AVAIL	AUX INPUT	CTR D	CTR A	CTR B
+IG CDU △θ(CMS)	1		P4	4 & 18	
-IG CDU △θ(CMS)	1		P4	19	4
+IG CDU SET(CMS)	1		P7	7	18
-IG CDU SET(CMS)	1		P7		7 & 19
+MG CDU △θ(CMS)	1		P5	5 & 20	
-MG CDU △θ(CMS)	1		P5	21	5
+MG CDU SET(CMS)	1		P8	8	20
-MG CDU SET(CMS)	1		P8		8 & 21
+OG CDU △θ(CMS)	1		P6	6 & 22	
-OG CDU △θ(CMS)	1		P6	23	6
+OG CDU SET(CMS)	1		P9	9	22
-OG CDU SET(CMS)	1		P9		9 & 23
+X IRIG SET(CMS)	1		P1	1	
-X IRIG SET(CMS)	1		P1		1
+Y IRIG SET(CMS)	1		P2	2	
-Y IRIG SET(CMS)	1		P2		2
+Z IRIG SET(CMS)	1		P3	3	
-Z IRIG SET(CMS)	1		P3		3
X PIPA +△V	1		P10	10	
X PIPA -△V	1		P10		10
Y PIPA +△V	1		P11	11	
Y PIPA -△V	1		P11		11
Z PIPA +△V	1		P12	12	
Z PIPA -△V	1		P12		12
PSA ADAPTER PULSE PROBES	7	J4-F	P13	13	
FOUR BIT COUNTER OUTPUT	7		P14		
+ AUXILIARY INPUT JACK	7	F/P	S15	15	
- AUXILIARY INPUT JACK	7	F/P	S15		15
B SCOPE INPUT CH1	7	J1-A			
B SCOPE INPUT CH1	7	J1-C			
A SCOPE INPUT	7	J1-E			
DELAY LINE IN	7	J1-K			
DELAY LINE OUT	7	J1-M			
IG ENC +△θ	1	J2-G			
IG ENC -△θ	1	J2-H			
MG ENC +△θ	1	J2-J			
MG ENC -△θ	1	J2-K			
OG ENC +△θ	1	J2-L			
OG ENC -△θ	1	J2-M			
+△VX	1	J3-G			
-△VX	1	J3-H			
+△VY	1	J3-J			
-△VY	1	J3-K			
+△VZ	1	J3-L			
-△VZ	1	J3-M			
CMS 800 PPS IN ∅ SYNC	1	J4-B			
CMS 3200 PPS IN ∅ SYNC	1	J4-D			

OPTICS SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
28 VDC OPTICS	5	2-00	4-9DC	
800 CPS 28V 1% (OPTICS)	5	1-01	6-13AC	S2
800 CPS 28V 5% ∠-90° OPTICS	5	2-01	5-13AC	
25.6 KC OPTICS	5	1-02		S4
+DT T.P. TRUN ENC	5		6-7DC	
-DT T.P. TRUN ENC	5		5-7DC	
+DT T.P. SHAFT ENC	5		8-7	
-DT T.P. SHAFT ENC	5		7-7	
CDU TRUN TACH FDBK (SMC)	5	1-04	3-11AC	
CDU TRUN TACH FDBK (TPA)	5	1-08	4-11AC	
CDU TRUN 16X RSVR ERROR (SMC)	5	2-08	1-11	
CDU TRUN 16X ERROR (TPA)	5	2-06	5-12AC	
SCT SHAFT TACH FDBK (SMC) (BUFF)	5	2-04	1-13	
SCT SHAFT TACH FEEDBACK (TPA)	5	1-07	2-11	
SCT SHAFT 1X ERROR (BUFF)	5	2-10	4-13AC	
SCT TRUN TACH FDBK (BUFF)(SMC)	5	1-05	5-11AC	
SCT TRUN 1X ERROR (SMC)	5	1-03	4-12AC	
SCT TRUN 1X RSVR ERROR (TPA)	5	1-09	3-12AC	
SCT TRUN MDA OUPT ∅2	5	2-02	6-5AC	
SHAFT CDU 16X ERROR (BUFF)	5	1-12	3-10AC	
SHAFT CDU 16X ERROR (TPA)	5	2-05	6-11AC	
SHAFT CDU TACH FDBK (BUFF)	5	1-10	3-13AC	
SXT SHAFT TACH FDBK (SMC)(BUFF)	5	2-12	6-10AC	
SXT SHAFT TACH FDBK (TPA)	5	2-07	1-12	
SXT SHAFT MDA INPUT (BUFF)	5	2-03	2-13	
SXT SHAFT MDA OUTPUT ∅2	5	1-14	1-8	
SXT TRUN TACH FDBK (BUFF)	5	2-09	2-12	
SXT TRUN MDA INPUT (SMC)	5	1-06	6-12AC	
SXT TRUN MDA OUTPUT ∅2	5	2-14	5-8AC	

OPTICS SIGNALS CONT.

SIGNAL	MULT BY	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
PHOTOMETER PREAMP OUTPUT (BUFF)		5	2-88		
PHOTOMETER PREAMP OUTPUT (AC)		5	2-15		S12
PHOTOMETER PREAMP OUTPUT (DC)		5	2-18	4-1DC	
Y TRACKER OUTPUT (800 CPS)(TPA B/A)	1.01	5	1-13	3-8AC	
X TRACKER OUTPUT (800 CPS)(TPA B/A)	1.01	5	2-13	4-8AC	
TRACKER X DRIVE (BUFF)(SMC)		5	1-16		S10
TRACKER Y DRIVE (BUFF)(SMC)		5	2-16		S11
TRACKER PREAMP OUTPUT (BUFF)(SMC)		5	1-88		
MARK		3		8-5	
STAR SIMULATOR		6	1-25	7-5	
+X OPT CDU SET (CMS)		3			P-18
-X OPT CDU SET (CMS)		3			P-19
+Y OPT CDU SET (CMS)		3			P-20
-Y OPT CDU SET (CMS)		3			P-21

OPTICS PULSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	CTR D	CTR A	CTR B
TRUN CDU ENC +△θ (TO CTR VIA CMS)	J3-A	3	P-16	16	
TRUN CDU ENC -△θ (TO CTR VIA CMS)	J3-B	3	P-16		16
SHAFT CDU ENC +△θ (TO CTR VIA CMS)	J3-C	3	P-17	17	
SHAFT CDU ENC -△θ (TO CTR VIA CMS)	J3-D	3	P-17		17

AGC SIGNALS

SIGNAL	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+28 VDC AGC (OPR PWR)	2	1-93		
+13 VDC AGC	2	1-94		
+3 VDC AGC	2	2-93		
AGC T/S DAC RB	2		8-14	
AGC T/S DAC RG	2		7-14	
AGC T/S DAC RQ	2		6-14DC	
AGC T/S DAC RX	2		5-14DC	
AGC T/S DAC RY	2		4-14DC	
AGC T/S DAC RZ	2		3-14DC	

GSE SIGNALS

SIGNAL	AUX INPUT	SIG AVAIL	LOCATION XBAR	LOCATION RSS	LOCATION CTR"D"
+3 VDC (CMPTR SIMULATOR)		6	2-78		
+13 VDC STBY (CMPTR SIMULATOR)		6	1-78		
+27 VDC D1A ON (RLP)		7	1-79	6-11DC	
+28 VDC G&N		7	1-71	8-11	
+28 VDC STBY BUSS A		4	1-72		
+28 VDC STBY BUSS B		4	2-72		
+28 VDC IMU BUSS A		4	1-73		
+28 VDC IMU BUSS B		4	2-73		
+28 VDC OPT BUSS A		5	1-74		
+28 VDC OPT BUSS B		5	2-74		
+28 VDC AGC BUSS A		4	1-75		
+28 VDC AGC BUSS B		4	2-75		
+30 VDC GSE PWR		7	1-70	4-11DC	
-30 VDC GSE PWR		7	2-70	3-11DC	
115V 60 CPS ∅A D1A ON		7	2-79		
115V 60 CPS ∅B D1A ON		7	1-80		
115V 60 CPS ∅C D1A ON		7	2-80		
400 CPS 115V ∅∅ (GSE)		7	2-77		
400 CPS 115V π ∅ (GSE)		7	1-85		
400 CPS 115V (A/B)		7	1-77		
800 CPS 0° ISS REF (BUFF)		4	2-81		
800 CPS 90° ISS REF (BUFF)		4	2-82		
800 CPS ∅∅ OPT REF (BUFF)		5	1-84		
800 CPS 90° OPT REF (BUFF)		5	2-84		
800 CPS VAR PH REF (BUFF)		4	2-83		
3200 CPS 2V (FDBK)		4	1-81		
D1A 3200 CPS 4V PWR SUPPLY		4	1-87		
3200 CPS VAR PH ISS REF (BUFF)		4	1-83		
320D CPS REF (BUFF)		4	1-82		
IRIG ∅ SHIFTER OUPT (3200 CPS 0°)		4	2-85		
PIPA ∅ SHIFTER OUPT (3200 CPS 45°)		4	1-86		
**SIGNAL GEN OUTPUT		7	1-76	5-1DC	
GSE FAIL IND TEST VOLTAGE		1	1-51	1-1	
FAIL IND G & N		4		7-4	
BCD 1 DIGIT 1 FR CTR (LSD)		7		4-7DC	
BUFFERED PROBE	F/P	7	1-99		
DIRECT PROBE	F/P	7	2-99		
IG TDA TEST OUTPUT		1	1-91		
MG TDA TEST OUTPUT		1	2-92		
OG TDA TEST OUTPUT		1	1-92		
TEST START LIGHT		7		7-9	
SIGNAL GEN OUTPUT (X4)		7	2-86		
CTR AUXILIARY INPUT	F/P	7			S15

**SET MONITOR TO PROPER FUNCTION (AC OR DC)

WHERE APPLICABLE THE MEASUREMENT MUST BE CORRECTED BY THE "MULT BY" FACTOR TO OBTAIN THE TRUE VALUE.

2901077 REV F

USE FOR "SERIES 100" ONLY

2900023-021	2900023-021	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE DECIMALS DECIMALS ANGLES + + + + − − − −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS
2900023-011	2900023-011	DO NOT SCALE THIS DRAWING	DRAWN R. Parker 6 JAN 66 CHECKED 17 JAN 66 APPROVAL CONTRACT NAS 9-497
NEXT ASSY	USED ON	MATERIAL —	NASA APPROVAL MIT APPROVAL
APPLICATION		APPROVAL	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

GSE SIGNAL SELECTION LIST

SIZE E | CODE IDENT NO 99974 | 2901077 | SCALE — | SHEET 5 OF 6

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 111	1		P1-311 P2-S3					.15 .19	NO NO		7, 9 4	
A 112	1		P1-312 P2-S4					.15 .19	NO NO		7, 9 4	
A 113	1		P1-313 P2-S5					.15 .19	NO NO		7, 9 4	
A 114	1		P1-314 P2-S6					.15 .19	NO NO		7, 9 4	
A 115	1		P1-315 P2-S7					.15 .19	NO NO		7, 9 4	
A 116	1		P1-316 P2-S8					.15 .19	NO NO		7, 9 4	
A 117	1		P1-317 P2-T1					.15 .19	NO NO		7, 9 4	
A 118	1		P1-318 P2-T2					.15 .19	NO NO		7, 9 4	
A 119	1		P1-319 P2-T3					.15 .19	NO NO		7, 9 4	
A 120	1		P1-320 P2-T4					.15 .19	NO NO		7, 9 4	
A 121	1		P1-321 P2-T5					.15 .19	NO NO		7, 9 4	
A 122	1		P1-322 P2-T6					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 14 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 123	1		P1-323 P2-T7					.15 .19	NO NO		7, 9 4	
A 124	1		P1-324 P2-T8					.15 .19	NO NO		7, 9 4	
A 125	1		P1-325 P2-U1					.15 .19	NO NO		7, 9 4	
A 126	1		P1-326 P2-U2					.15 .19	NO NO		7, 9 4	
A 127	1		P1-327 P2-U3					.15 .19	NO NO		7, 9 4	
A 128	1		P1-328 P2-U4					.15 .19	NO NO		7, 9 4	
A 129	1		P1-329 P2-U5					.15 .19	NO NO		7, 9 4	
A 130	1		P1-330 P2-U6					.15 .19	NO NO		7, 9 4	
A 132	1		P1-332 P2-U8					.15 .19	NO NO		7, 9 4	
A 133	1		P1-333 P2-V1					.15 .19	NO NO		7, 9 4	
A 134	1		P1-334 P2-V2					.15 .19	NO NO		7, 9 4	
A 135	1		P1-335 P2-V3					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 15 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 136	1		P1-336 P2-V4					.15 .19	NO NO		7, 9 4	
A 137	1		P1-337 P2-V5					.15 .19	NO NO		7, 9 4	
A 138	1		P1-338 P2-V6					.15 .19	NO NO		7, 9 4	
A 139	1		P1-339 P2-V7					.15 .19	NO NO		7, 9 4	
A 140	1		P1-340 P2-V8					.15 .19	NO NO		7, 9 4	
A 141	1		P1-341 P2-W1					.15 .19	NO NO		7, 9 4	
A 142	1		P1-342 P2-W2					.15 .19	NO NO		7, 9 4	
A 143	1		P1-343 P2-W3					.15 .19	NO NO		7, 9 4	
A 144	1		P1-344 P2-W4					.15 .19	NO NO		7, 9 4	
A 145	1		P1-345 P2-W5					.15 .19	NO NO		7, 9 4	
A 146	1		P1-346 P2-W6					.15 .19	NO NO		7, 9 4	
A 147	1		P1-347 P2-W7					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 16 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 148	1		P1-348 P2-W8					.15 .19	NO NO		7, 9 4	
A 149	1		P1-349 P2-X3					.15 .19	NO NO		7, 9 4	
A 150	1		P1-350 P2-X4					.15 .19	NO NO		7, 9 4	
A 151	1		P1-401 P2-X5					.15 .19	NO NO		7, 9 4	
A 152	1		P1-402 P3-X5					.15 .19	NO NO		7, 9 4	
A 153	1		P1-403 P3-A3					.15 .19	NO NO		7, 9 4	
A 154	1		P1-404 P3-A4					.15 .19	NO NO		7, 9 4	
A 155	1		P1-405 P3-A5					.15 .19	NO NO		7, 9 4	
A 156	1		P1-406 P3-A6					.15 .19	NO NO		7, 9 4	
A 157	1		P1-407 P3-B1					.15 .19	NO NO		7, 9 4	
A 158	1		P1-408 P3-B2					.15 .19	NO NO		7, 9 4	
A 159	1		P1-409 P3-B3					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 17 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 160	1		P1-410 P3-B4					.15 .19	NO NO		7, 9 4	
A 161	1		P1-411 P3-B5					.15 .19	NO NO		7, 9 4	
A 162	1		P1-412 P3-B6					.15 .19	NO NO		7, 9 4	
A 163	1		P1-413 P3-B7					.15 .19	NO NO		7, 9 4	
A 164	1		P1-414 P3-B8					.15 .19	NO NO		7, 9 4	
A 165	1		P1-415 P3-C1					.15 .19	NO NO		7, 9 4	
A 166	1		P1-416 P3-C2					.15 .19	NO NO		7, 9 4	
A 167	1		P1-417 P3-C3					.15 .19	NO NO		7, 9 4	
A 168	1		P1-418 P3-C4					.15 .19	NO NO		7, 9 4	
A 169	1		P1-419 P3-C5					.15 .19	NO NO		7, 9 4	
A 170	1		P1-420 P3-C6					.15 .19	NO NO		7, 9 4	
A 171	1		P1-421 P3-C7					.15 .19	NO NO		7, 9 4	

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 172	1		P1-422 P3-C8					.15 .19	NO NO		7, 9 4	
A 173	1		P1-423 P3-D1					.15 .19	NO NO		7, 9 4	
A 174	1		P1-424 P3-D2					.15 .19	NO NO		7, 9 4	
A 175	1		P1-425 P3-D3					.15 .19	NO NO		7, 9 4	
A 176	1		P1-426 P3-D4					.15 .19	NO NO		7, 9 4	
A 177	1		P1-427 P3-D5					.15 .19	NO NO		7, 9 4	
A 178	1		P1-428 P3-D6					.15 .19	NO NO		7, 9 4	
A 179	1		P1-429 P3-D7					.15 .19	NO NO		7, 9 4	
A 180	1		P1-430 P3-D8					.15 .19	NO NO		7, 9 4	
A 182	1		P1-432 P3-E2					.15 .19	NO NO		7, 9 4	
A 183	1		P1-433 P3-E3					.15 .19	NO NO		7, 9 4	
A 184	1		P1-434 P3-E4					.15 .19	NO NO		7, 9 4	

MIL 2064 9-65

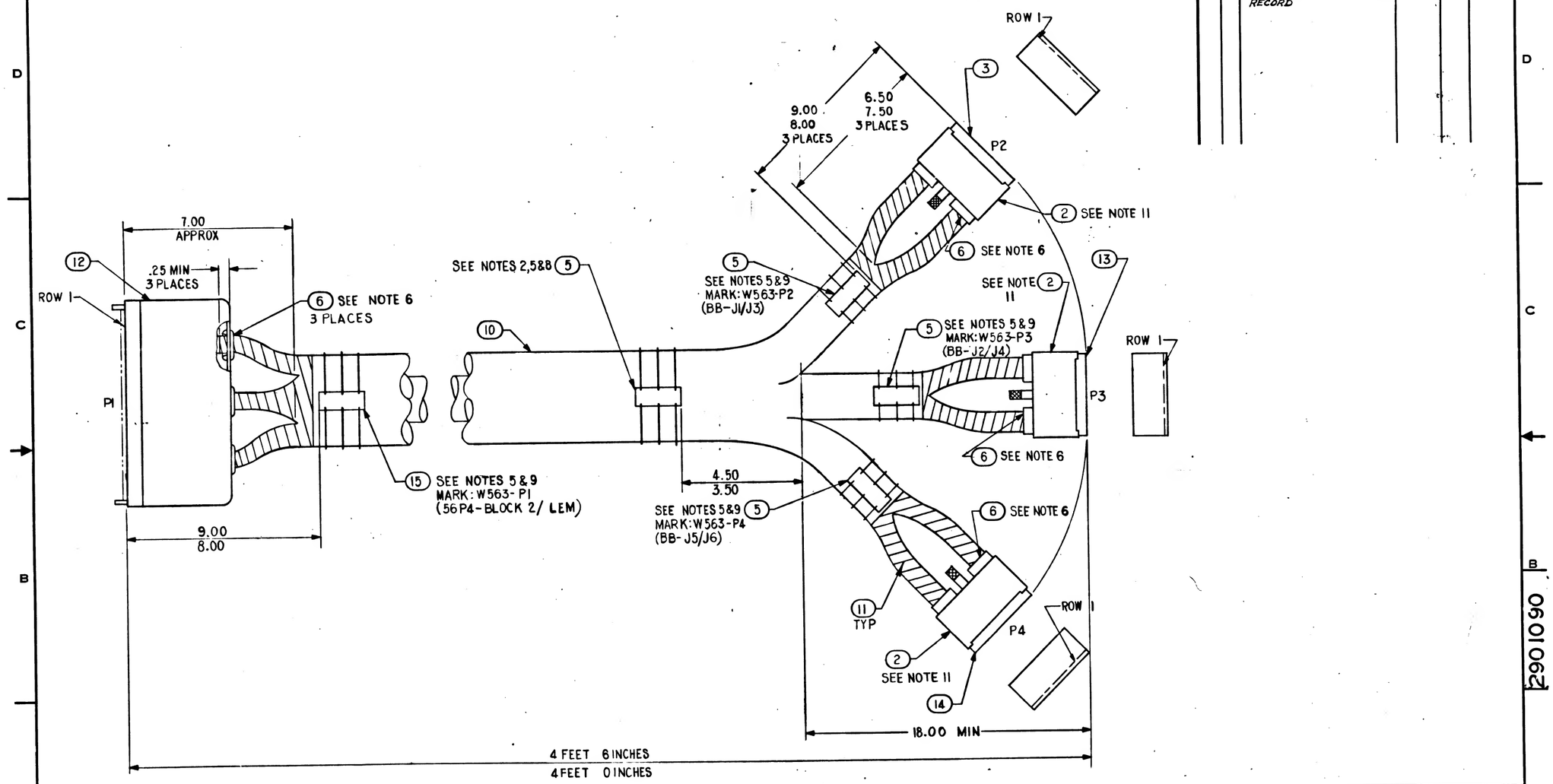
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 185	1		P1-435 P3-E5					.15 .19	NO NO		7, 9 4	
A 186	1		P1-436 P3-E6					.15 .19	NO NO		7, 9 4	
A 187	1		P1-437 P3-E7					.15 .19	NO NO		7, 9 4	
A 188	1		P1-438 P3-E8					.15 .19	NO NO		7, 9 4	
A 189	1		P1-439 P3-F1					.15 .19	NO NO		7, 9 4	
A 190	1		P1-440 P3-F2					.15 .19	NO NO		7, 9 4	
A 191	1		P1-441 P3-F3					.15 .19	NO NO		7, 9 4	
A 192	1		P1-442 P3-F4					.15 .19	NO NO		7, 9 4	
A 193	1		P1-443 P3-F5					.15 .19	NO NO		7, 9 4	
A 194	1		P1-444 P3-F6					.15 .19	NO NO		7, 9 4	
A 195	1		P1-445 P3-F7					.15 .19	NO NO		7, 9 4	
A 196	1		P1-446 P3-F8					.15 .19	NO NO		7, 9 4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 197	1		P1-447 P3-G1					.15 .19	NO NO		7, 9 4	
A 198	1		P1-448 P3-G2					.15 .19	NO NO		7, 9 4	
A 199	1		P1-449 P3-G3					.15 .19	NO NO		7, 9 4	
A 200	1		P1-450 P3-G4					.15 .19	NO NO		7, 9 4	
A 201	1		P1-501 P3-G5					.15 .19	NO NO		7, 9 4	
A 202	1		P1-502 P3-G6					.15 .19	NO NO		7, 9 4	
A 203	1		P1-503 P3-G7					.15 .19	NO NO		7, 9 4	
A 204	1		P1-504 P3-G8					.15 .19	NO NO		7, 9 4	
A 205	1		P1-505 P3-H1					.15 .19	NO NO		7, 9 4	
A 206	1		P1-506 P3-H2					.15 .19	NO NO		7, 9 4	
A 207	1		P1-507 P3-H3					.15 .19	NO NO		7, 9 4	
A 208	1		P1-508 P3-H4					.15 .19	NO NO		7, 9 4	

MIL 2064 9-65

2901090 F

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ± 3 PLACE DECIMALS ± DECIMALS ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	DRAWN JANOWIAK 5 JAN 66 DATE	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W563
	CHECKED MOLYE 13 JAN 66	
	APPROVAL	
DO NOT SCALE THIS DRAWING	CONTRACT NAS 9-497	
MATERIAL	NASA APPROVAL	SIZE D / CODE IDENT NO. 99974 / 2901090
APPROVAL	C.S.D. APPROVAL	SCALE NONE / SHEET 35 OF 35

0901062

MIL-10550 D

NOTE GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4	TAPE HARNESS USING ITEM 13.
5	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 8.
6	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 6 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
7	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
8	SERIALIZE PER ND1002032.
9	MARK IDENTIFICATION BANDS WITH DESIGNATION AS NOTED, .12 INCH HIGH COLOR, BLACK PER ND1002019. CENTRALIZE.
10	ASSEMBLY PER ND1002032.
11	APPLY LEAD IDENTIFICATIONS PER ND1002019.
12	AT ASSEMBLY OF ITEM 2 TO 3, REMOVE 4 SELFLOCKING NUTS SECURING LOCATING PINS TO ITEM 3 AND DISCARD. ATTACH ITEM 2 TO 3 USING LOCATING PINS.

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

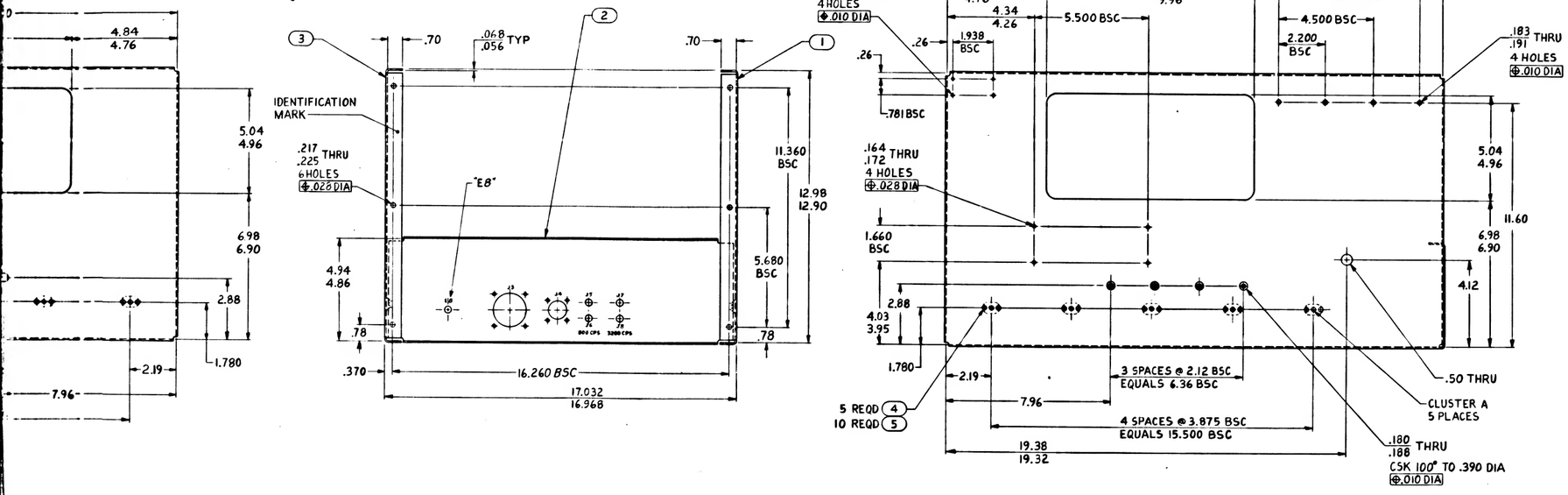
	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

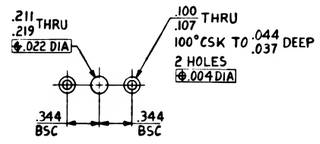
SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2901093-001	WIRE ND1002181 TYPE 1 CLASS 1, 22AWG WHT 448 FT TOTAL LENGTH
3	2	1	1897391	CLAMP, STRAIN RELIEF
	3	1	2901434-011	CONNECTOR
3	4	112	1016369-421	CONTACT, SOCKET
3	5	3	1016128-021	BAND, IDENTIFICATION
	6	AR	MIL-I-631 TYPE F, FORM T, GRADE A, CLASS 1	FILLER TAPE (BLACK .62 WIDE, .020 THICK)
3	7	112	1897300-002	CONTACT, SPRING SOCKET
	8	AR	MIL-T-713B TYPE P,CLASS2,BLK	LACING TAPE
3	9	112	1015864-232	INSULATION SLEEVING, ELECTRICAL
	12	1	2901093-002	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.25 DIA 4 FT TOTAL LENGTH
	13	AR	MIL-I-15126 TYPE ACT	INSULATION TAPE, ELECTRICAL, PRESSURE SENSITIVE THERMO SETTING ADHESIVE .75 + OR - .03 WIDE (ES2716 TYPE C)
	14	1	2901041-011	CONNECTOR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3	1	P1-A3					.15	NO		7, 9	
			P2-A5					.19	NO		4	
A	4	1	P1-A4					.15	NO		7, 9	
			P2-A6					.19	NO		4	
A	5	1	P1-A5					.15	NO		7, 9	
			P2-B1					.19	NO		4	
A	6	1	P1-A6					.15	NO		7, 9	
			P2-B2					.19	NO		4	
A	7	1	P1-A7					.15	NO		7, 9	
			P2-B3					.19	NO		4	
A	8	1	P1-A8					.15	NO		7, 9	
			P2-B4					.19	NO		4	
A	9	1	P1-A9					.15	NO		7, 9	
			P2-B5					.19	NO		4	
A	10	1	P1-A10					.15	NO		7, 9	
			P2-B6					.19	NO		4	
A	11	1	P1-A11					.15	NO		7, 9	
			P2-B7					.19	NO		4	
A	12	1	P1-A12					.15	NO		7, 9	
			P2-B8					.19	NO		4	
A	13	1	P1-A13					.15	NO		7, 9	
			P2-C1					.19	NO		4	
A	16	1	P1-B1					.15	NO		7, 9	
			P2-C4					.19	NO		4	

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC-2:0030		9 MAR 66	
B		INITIAL RELEASE CLASS A PER TDRR 66657		1 SEP 66	





CLUSTER A
SCALE 2/1

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
5	20	AN124971	RIVET, 100° FLAT HD
4	10	1015798-010	NUT, ANCHOR-F_OATING
3	1	2901096-003	PANEL, LH
2	1	2901096-002	PANEL, BACK
1	1	2901096-001	PANEL, RH

SEE NOTE 8

LIST OF PARTS AND MATERIALS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ±.02 3 PLACE DECIMALS ±.010 ANGLES ±1°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
NEXT ASSY 2900896-01 USED ON 2900895-01
APPLICATION

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN L Krahn DATE 15 FEB 66
CHECKED
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL 5-24-66

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

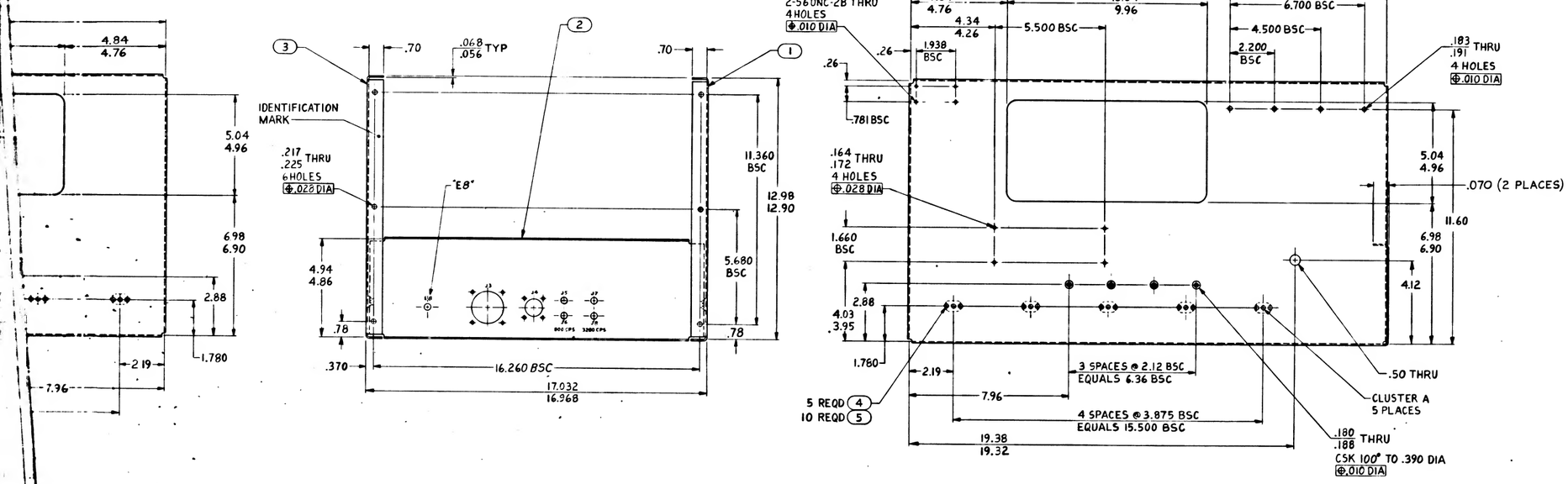
CHASSIS, ELECTRICAL EQUIPMENT (INSEPARABLE ASSEMBLY)

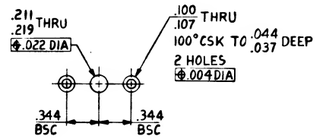
SIZE J₂ | CODE IDENT NO. 99974 | 2901096
SCALE 1/2 | SHEET 1 OF 1

2901096 | REV B

2/2/2901096

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC-2:0030		6 MAR 66	JSC
B		INITIAL RELEASE CLASS A PER TDRR 2967		2 JUN 66	JSC
C		REVISED PER TDRR-2941.7		14 JUN 66	JSC





CLUSTER A
SCALE 2/1

SEE NOTE 8

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
5	20	AN124971	RIVET, 100° FLAT HD
4	10	1015798-010	NUT, ANCHOR-FLOATING
3	1	2901096-003	PANEL, LH
2	1	2901096-002	PANEL, BACK
1	1	2901096-001	PANEL, RH

LIST OF PARTS AND MATERIALS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ±.02 3 PLACE DECIMALS ±.010 ANGLES ±1°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
NEXT ASSY 2.00896-01 USED ON 2900895-01
APPLICATION

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN L Kraft DATE 15 FEB 66
CHECKED [illegible] 15 FEB 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

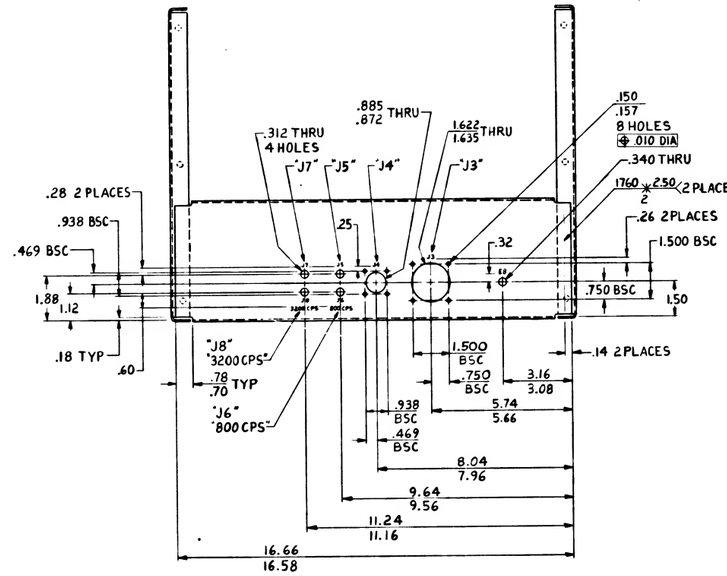
CHASSIS, ELECTRICAL EQUIPMENT (INSEPARABLE ASSEMBLY)

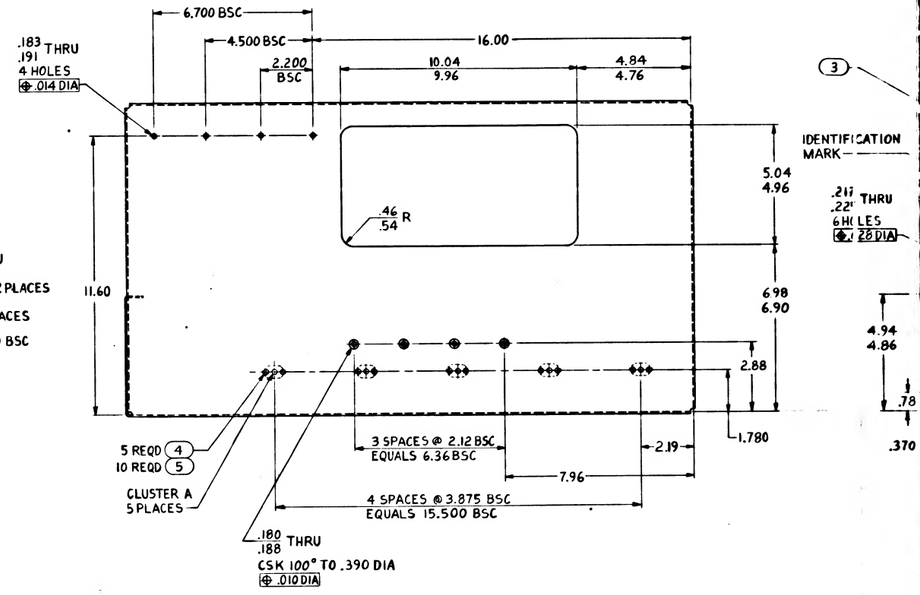
SIZE J₂ | CODE IDENT NO. 99974 | 2901096
SCALE 1/2 | SHEET 1 OF 1

2901096 A

2/-2901096

NOTES
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-S-698, 1008 CRCQ, #2 LUSTER.
3. FINISH: QQ-P-416A, TYPE I, CLASS I
4. ALL INSIDE BEND RADII .06.
5. MUST BE FREE FROM BURRS AND SHARP EDGES.
6. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130. (ES267).
8. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
9. UNLESS OTHERWISE SPECIFIED:
   A. MARK CHARACTERS PER ND1002019, .12 HIGH. CENTRALIZE AS SHOWN BOTH SIDES.





2901096 REV C SHT 1 OF 1

MIL 1077J

17/219011096

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2901076-011	2901076-011	A	REPLACES REV(+) WITH CHANGE PER MXC 209703	10 MAR 66	RLP W.D.
		B	REVISED PER MXC 210452	1 APR 66	B.W.T.
		C	INITIAL RELEASE CLASS A PER TDRR 28604	2 MAY 66	JHP EF

Checked 31 JAN 66

REV														
SHEET														
REV STATUS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN JANOWIAK 5 JAN 66 DATE
CHECKED Hodge 7 JAN 66
APPROVAL 7 Jan 66
APPROVAL L Goldman 5/3/66
NASA APPROVAL
MIT APPROVAL

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL W565

CODE IDENT NO.	SIZE		REV
99974	A	2901087	C

CONTRACT NAS9-497 SCALE — SHEET 1 OF 13

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
4	ASSEMBLE PER ND 1002032
5	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
6	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 11.
7	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
8	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 10 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
9	SERIALIZE PER ND 1002032
10	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND 1002019. CENTRALIZE
11	AT ASSEMBLY OF ITEM 5 TO ITEM 9, REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 9 USING LOCATING PINS.

NOTE NUMBER	GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2901087-001	WIRE ND1002181 TYPE 1 CLASS 1, 22 AWG WHT, 340 FT TOTAL LENGTH
	2	1	2901087-002	ZIPPER TUBING PER ND1002155 TYPE 1 GREY, 2 IN DIA, 4 FT TOTAL LENGTH
5	3	3	1016128-021	BAND IDENTIFICATION
5	4	85	1016369-421	CONTACT, SOCKET
5	5	1	1897336-001	CONNECTOR
5	6	1	1897247-004	CONNECTOR
5	7	X	1897190- 2	CONTACT, SOCKET (FURNISHED WITH ITEM 6)
5	8	1	1010933-105	CLAMP, STRAIN RELIEF
5	9	1	1897391	CLAMP, CABLE DOUBLE ENTRY
	10	AR	MIL-I-631, TYPE F FORM T, BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK.
	11	AR	MIL-T-7138 TYPE P CLASS 2, BLACK	LACING TAPE

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-1					.15	NO		7	
			P2-A3					.19	NO		4	
A	2	1	P1-2					.15	NO		7	
			P2-A4					.19	NO		4	
A	3	1	P1-3					.15	NO		7	
			P2-A5					.19	NO		4	
A	4	1	P1-4					.15	NO		7	
			P2-A6					.19	NO		4	
A	5	1	P1-5					.15	NO		7	
			P2-B1					.19	NO		4	
A	6	1	P1-6					.15	NO		7	
			P2-B2					.19	NO		4	
A	7	1	P1-7					.15	NO		7	
			P2-B3					.19	NO		4	
A	8	1	P1-8					.15	NO		7	
			P2-B4					.19	NO		4	
A	9	1	P1-9					.15	NO		7	
			P2-B5					.19	NO		4	
A	10	1	P1-10					.15	NO		7	
			P2-B6					.19	NO		4	
A	11	1	P1-11					.15	NO		7	
			P2-B7					.19	NO		4	
A	12	1	P1-12					.15	NO		7	
			P2-B8					.19	NO		4	

CABLE ASSEMBLY W565 — 2901087

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		P1-13					.15	NO		7	
			P2-C1					.19	NO		4	
A 14	1		P1-14					.15	NO		7	
			P2-C2					.19	NO		4	
A 15	1		P1-15					.15	NO		7	
			P2-C3					.19	NO		4	
A 16	1		P1-16					.15	NO		7	
			P2-C4					.19	NO		4	
A 17	1		P1-17					.15	NO		7	
			P2-C5					.19	NO		4	
A 18	1		P1-18					.15	NO		7	
			P2-C6					.19	NO		4	
A 19	1		P1-19					.15	NO		7	
			P2-C7					.19	NO		4	
A 20	1		P1-20					.15	NO		7	
			P2-C8					.19	NO		4	
A 21	1		P1-21					.15	NO		7	
			P2-D1					.19	NO		4	
A 22	1		P1-22					.15	NO		7	
			P2-D2					.19	NO		4	
A 23	1		P1-23					.15	NO		7	
			P2-D3					.19	NO		4	
A 24	1		P1-24					.15	NO		7	
			P2-D4					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901087
SCALE-NONE	REV LTR	SHEET 6 OF 13

MIL 2084 9-65

CABLE ASSEMBLY W565 — 2901087

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1		P1-25					.15	NO		7	
			P2-D5					.19	NO		4	
A 26	1		P1-26					.15	NO		7	
			P2-D6					.19	NO		4	
A 27	1		P1-27					.15	NO		7	
			P2-D7					.19	NO		4	
A 28	1		P1-28					.15	NO		7	
			P2-D8					.19	NO		4	
A 29	1		P1-29					.15	NO		7	
			P2-E1					.19	NO		4	
A 30	1		P1-30					.15	NO		7	
			P2-E2					.19	NO		4	
A 31	1		P1-31					.15	NO		7	
			P2-E3					.19	NO		4	
A 32	1		P1-32					.15	NO		7	
			P2-E4					.19	NO		4	
A 33	1		P1-33					.15	NO		7	
			P2-E5					.19	NO		4	
A 34	1		P1-34					.15	NO		7	
			P2-E6					.19	NO		4	
A 35	1		P1-35					.15	NO		7	
			P2-E7					.19	NO		4	
A 36	1		P1-36					.15	NO		7	
			P2-E8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901087
SCALE-NONE	REV LTR	SHEET 7 OF 13

MIL 2084 9-65

CABLE ASSEMBLY W565 — 2901087

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1		P1-37					.15	NO		7	
			P2-F1					.19	NO		4	
A 38	1		P1-38					.15	NO		7	
			P2-F2					.19	NO		4	
A 39	1		P1-39					.15	NO		7	
			P2-F3					.19	NO		4	
A 40	1		P1-40					.15	NO		7	
			P2-F4					.19	NO		4	
A 41	1		P1-41					.15	NO		7	
			P2-F5					.19	NO		4	
A 42	1		P1-42					.15	NO		7	
			P2-F6					.19	NO		4	
A 43	1		P1-43					.15	NO		7	
			P2-F7					.19	NO		4	
A 44	1		P1-44					.15	NO		7	
			P2-F8					.19	NO		4	
A 45	1		P1-45					.15	NO		7	
			P2-G1					.19	NO		4	
A 46	1		P1-46					.15	NO		7	
			P2-G2					.19	NO		4	
A 47	1		P1-47					.15	NO		7	
			P2-G3					.19	NO		4	
A 48	1		P1-48					.15	NO		7	
			P2-G4					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901087
SCALE-NONE	REV LTR	SHEET 8 OF 13

MIL 2084 9-65

CABLE ASSEMBLY W565 — 2901087

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1		P1-49					.15	NO		7	
			P2-G5					.19	NO		4	
A 50	1		P1-50					.15	NO		7	
			P2-G6					.19	NO		4	
A 51	1		P1-51					.15	NO		7	
			P2-G7					.19	NO		4	
A 52	1		P1-52					.15	NO		7	
			P2-G8					.19	NO		4	
A 53	1		P1-53					.15	NO		7	
			P2-H1					.19	NO		4	
A 54	1		P1-54					.15	NO		7	
			P2-H2					.19	NO		4	
A 55	1		P1-55					.15	NO		7	
			P2-H3					.19	NO		4	
A 56	1		P1-56					.15	NO		7	
			P2-H4					.19	NO		4	
A 57	1		P1-57					.15	NO		7	
			P2-H5					.19	NO		4	
A 58	1		P1-58					.15	NO		7	
			P2-H6					.19	NO		4	
A 59	1		P1-59					.15	NO		7	
			P2-H7					.19	NO		4	
A 60	1		P1-60					.15	NO		7	
			P2-H8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901087
SCALE-NONE	REV LTR	SHEET 9 OF 13

MIL 2084 9-65

CABLE ASSEMBLY W565 2901087 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1		P1-61					.15	NO		7	
			P2-J1					.19	NO		4	
A 62	1		P1-62					.15	NO		7	
			P2-J2					.19	NO		4	
A 63	1		P1-63					.15	NO		7	
			P2-J3					.19	NO		4	
A 64	1		P1-64					.15	NO		7	
			P2-J4					.19	NO		4	
A 65	1		P1-65					.15	NO		7	
			P2-J5					.19	NO		4	
A 66	1		P1-66					.15	NO		7	
			P2-J6					.19	NO		4	
A 67	1		P1-67					.15	NO		7	
			P2-J7					.19	NO		4	
A 68	1		P1-68					.15	NO		7	
			P2-J8					.19	NO		4	
A 69	1		P1-69					.15	NO		7	
			P2-K1					.19	NO		4	
A 70	1		P1-70					.15	NO		7	
			P2-K2					.19	NO		4	
A 71	1		P1-71					.15	NO		7	
			P2-K3					.19	NO		4	
A 72	1		P1-72					.15	NO		7	
			P2-K6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901087
SCALE-NONE	REV LTR A C	SHEET 10 OF 13

MIL 2084 9-65

CABLE ASSEMBLY W565 2901087 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1		P1-73					.15	NO		7	
			P2-K7					.19	NO		4	
A 74	1		P1-74					.15	NO		7	
			P2-K8					.19	NO		4	
A 75	1		P1-75					.15	NO		7	
			P2-L1					.19	NO		4	
A 76	1		P1-76					.15	NO		7	
			P2-L2					.19	NO		4	
A 77	1		P1-77					.15	NO		7	
			P2-L7					.19	NO		4	
A 78	1		P1-78					.15	NO		7	
			P2-L8					.19	NO		4	
A 79	1		P1-79					.15	NO		7	
			P2-M1					.19	NO		4	
A 80	1		P1-80					.15	NO		7	
			P2-M2					.19	NO		4	
A 81	1		P1-81					.15	NO		7	
			P2-M3					.19	NO		4	
A 82	1		P1-82					.15	NO		7	
			P2-M6					.19	NO		4	
A 83	1		P1-83					.15	NO		7	
			P2-M7					.19	NO		4	
A 84	1		P1-84					.15	NO		7	
			P2-M8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901087
SCALE-NONE	REV LTR A C	SHEET 11 OF 13

MIL 2084 9-65

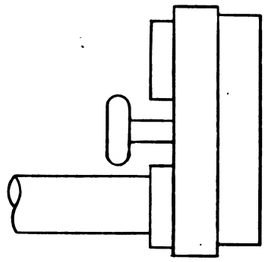
CABLE ASSEMBLY W565 2901087 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1		P1-85					.15	NO		7	
			P2-N1					.19	NO		4	

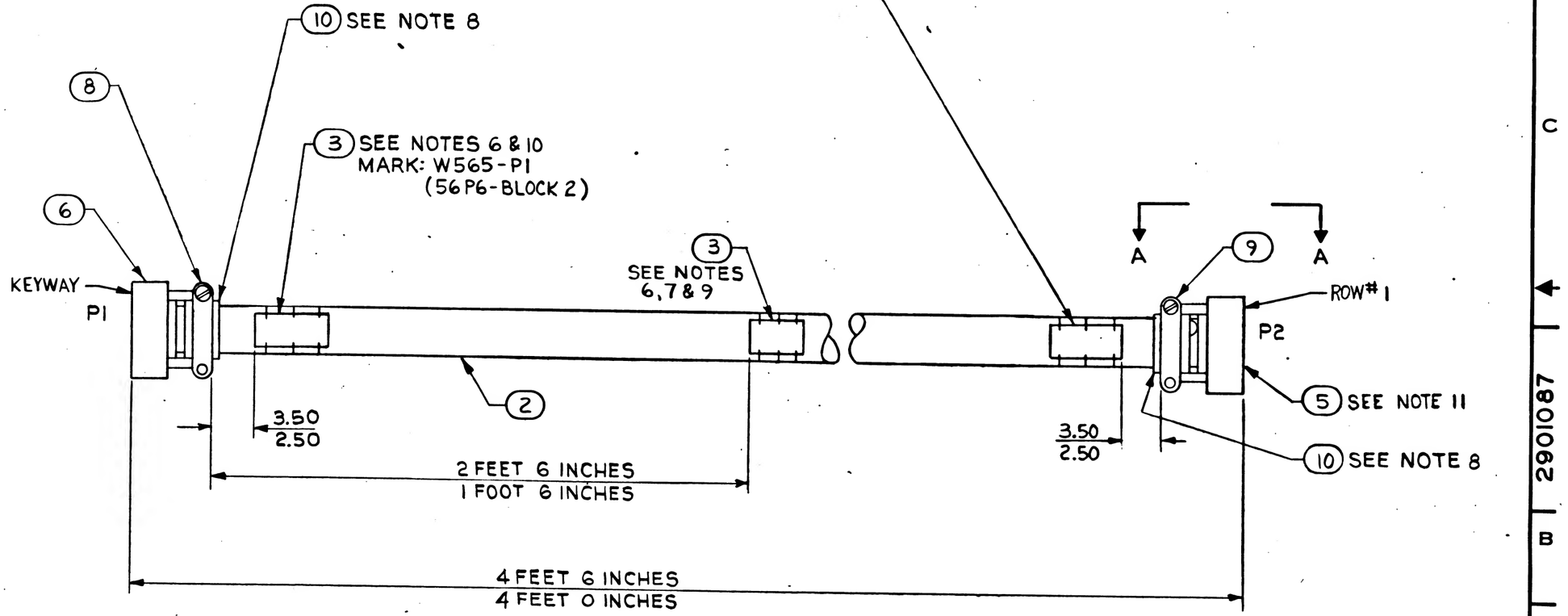
SIZE	CODE IDENT NO.	
A	99974	2901087
SCALE-NONE	REV LTR A C	SHEET 12 OF 13

MIL 2084 9-65

REVISIONS TDR 28604				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD CHG. NO.		



PARTIAL VIEW A-A



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	DRAWN JANOWIAK 5 JAN 66	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W565
	CHECKED M Geyer 7 JAN 66	
	APPROVAL L Gedeman 5/3/66	
DO NOT SCALE THIS DRAWING	CONTRACT NAS 9-497	SIZE C / CODE IDENT NO. 99974 / 2901087
MATERIAL	NASA APPROVAL	SCALE NONE / SHEET 13 OF 13
APPROVAL	MIT APPROVAL M C Mackey 5-10-66	

2901087

APPLICATION	
NEXT ASSY	USED ON
2901076-011	2901076-011

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV(+) WITH CHANGE PER MXC 209704	10 MAR 66	RUP / C7P
B	REVISED PER MXC 210603	6 APR 66	B. / W.S.
C	INITIAL RELEASE CLASS A PER TDRR 28604	2 MAY 66	[illegible] / EF

Charleston 31 JAN 66

REV STATUS																						
REV	C	C	C	C	C	C	C	C														
SHEET	22	23	24	25	26	27	28	29														
REV (OF SHEETS)	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
SHEET (OF SHEETS)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN JANOWIAK DATE 5 JAN 66
CHECKED Mocge 10 JAN 66
APPROVAL [illegible] Jan 10 66
APPROVAL [illegible] 5/3/66

CABLE ASSEMBLY, SPECIAL PURPOSE ELECTRICAL, W578

NASA APPROVAL [illegible]
MIT APPROVAL [illegible]
CONTRACT NAS9-497

CODE IDENT NO.	SIZE		REV
99974	A	2901088	C

SCALE —   SHEET 1 OF 29

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	ASSEMBLY PER ND1002032.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.
6	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE OR WHITE WITH LETTER W.
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
10	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.
11	SERIALIZE PER ND1002032.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.
14	AT ASSEMBLY OF ITEM 5 TO ITEM 20, REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 20 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2901088-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 340 FT TOTAL LENGTH
	2	1	2901088-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 42.5 FT TOTAL LENGTH
	3	1	2901088-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 2 DIA 4 FT TOTAL LENGTH
7	4	85	1016369-421	CONTACT, SOCKET
7	5	1	1897336-001	CONNECTOR
7	6	1	1897247-003	CONNECTOR
7	7	X	1897190- 2	CONTACT, SOCKET (FURNISHED WITH ITEM 6)
7	8	85	1010763-002	SOLDER SLEEVE
7	9	170	1010490-232	INSULATION SLEEVING SHRINK FIT
7	10	11	1016006-002	SPLICE REDUCER
7	11	11	1010490-258	INSULATION SLEEVING SHRINK FIT
	12		1015902-003	DELETED
	13	1	2901088-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 3 FT TOTAL LENGTH
	14	1	2901088-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 2 FT TOTAL LENGTH
7	15	2	1016128-021	BAND IDENTIFICATION
7	16	1	1010933-105	STRAIN RELIEF

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631, TYPE F, FURM T, BLACK GRADE A, CLASS 1	FILLER TAPE, .62 WIDE, .020 THICK
	18	AR	MIL-T-713B TYPE P, CLASS 2, BLACK	LACING TAPE
	19		1010490-166	DELETED
7	20	1	1897391	CLAMP CABLE DUAL ENTRY
	21	1	1016128-041	BAND, IDENTIFICATION
	22	1	1016369-721	CONTACT, SOCKET

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 17B	2		E2-B SHLD A17					.25 NO .25 NO				
A 17W			P1-17 P2-C5					.15 NO .19 NO			7 4	
A 18	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 18B	2		E2-B SHLD A18					.25 .25				
A 18W			P1-18 P2-C6					.15 .19			7 4	
A 19	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 NO .25 NO				
A 19W			P1-19 P2-C7					.15 NO .19 NO			7 4	
A 20	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 NO .25 NO				
A 20W			P1-20 P2-C8					.15 NO .19 NO			7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 10 OF 29

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 21B	2		E3-B SHLD A21					.25 NO .25 NO				
A 21W			P1-21 P2-D1					.15 NO .19 NO			7 4	
A 22	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 22B	2		E3-B SHLD A22					.25 NO .25 NO				
A 22W			P1-22 P2-D2					.15 NO .19 NO			7 4	
A 23	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 23B	2		E3-B SHLD A23					.25 NO .25 NO				
A 23W			P1-23 P2-D3					.15 NO .19 NO			7 4	
A 24	1				3.25 3.25	3.00 3.00				8,7 A,6A	9 8, 9	
A 24B	2		E3-B SHLD A24					.25 NO .25 NO				
A 24W			P1-24 P2-D4					.15 NO .19 NO			7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 11 OF 29

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 25B	2		E3-B SHLD A25					.25 NO .25 NO				
A 25W			P1-25 P2-D5					.15 NO .19 NO			7 4	
A 26	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 26B	2		E3-B SHLD A26					.25 NO .25 NO				
A 26W			P1-26 P2-D6					.15 NO .19 NO			7 4	
A 27	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 NO .25 NO				
A 27W			P1-27 P2-D7					.15 NO .19 NO			7 4	
A 28	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 NO .25 NO				
A 28W			P1-28 P2-D8					.15 NO .19 NO			7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 12 OF 29

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 29B	2		F3-B SHLD A29					.25 NO .25 NO				
A 29W			P1-29 P2-E1					.15 NO .19 NO			7 4	
A 30	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 NO .25 NO				
A 30W			P1-30 P2-E2					.15 NO .19 NO			7 4	
A 31	1				3.75 3.75	3.50 3.50				8,7 A,6A		
A 31B	2		E4-B SHLD A31					.25 NO .25 NO				
A 31W			P1-31 P2-E3					.15 NO .19 NO			7 4	
A 32	1				3.75 3.75	3.50 3.50				8,7 A,6A	9 8, 9	
A 32B	2		E4-B SHLD A32					.25 NO .25 NO				
A 32W			P1-32 P2-E4					.15 NO .19 NO			7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 13 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W578 2901088 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 33B	2		E4-B SHLD A33					.25 NO .25 NO				
A 33W			P1-33 P2-E5					.15 NO .19 NO			7 4	
A 34	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 34B	2		E4-B SHLD A34					.25 NO .25 NO				
A 34W			P1-34 P2-E6					.15 NO .19 NO			7 4	
A 35	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 35B	2		E4-B SHLD A35					.25 NO .25 NO				
A 35W			P1-35 P2-E7					.15 NO .19 NO			7 4	
A 36	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 36B	2		E4-B SHLD A36					.25 NO .25 NO				
A 36W			P1-36 P2-E8					.15 NO .19 NO			7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 14 OF 29

MIL 2084 9-85

CABLE ASSEMBLY W578 2901088 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 NO .25 NO				
A 37W			P1-37 P2-F1					.15 NO .19 NO			7 4	
A 38	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 NO .25 NO				
A 38W			P1-38 P2-F2					.15 NO .19 NO			7 4	
A 39	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 39B	2		F4-B SHLD A39					.25 NO .25 NO				
A 39W			P1-39 P2-F3					.15 NO .19 NO			7 4	
A 40	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 NO .25 NO				
A 40W			P1-40 P2-F4					.15 NO .19 NO			7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 15 OF 29

MIL 2084 9-85

CABLE ASSEMBLY W578 2901088 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 41B	2		E5-B SHLD A41					.25 NO .25 NO				
A 41W			P1-41 P2-F5					.15 NO .19 NO			7 4	
A 42	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 42B	2		E5-B SHLD A42					.25 NO .25 NO				
A 42W			P1-42 P2-F6					.15 NO .19 NO			7 4	
A 43	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 43B	2		E5-B SHLD A43					.25 NO .25 NO				
A 43W			P1-43 P2-F7					.15 NO .19 NO			7 4	
A 44	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 44B	2		E5-B SHLD A44					.25 NO .25 NO				
A 44W			P1-44 P2-F8					.15 NO .19 NO			7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 16 OF 29

MIL 2084 9-85

CABLE ASSEMBLY W578 2901088 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 45B	2		E5-B SHLD A45					.25 NO .25 NO				
A 45W			P1-45 P2-G1					.15 NO .19 NO			7 4	
A 46	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 46B	2		F5-B SHLD A46					.25 NO .25 NO				
A 46W			P1-46 P2-G2					.15 NO .19 NO			7 4	
A 47	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 47B	2		E5-B SHLD A47					.25 NO .25 NO				
A 47W			P1-47 P2-G3					.15 NO .19 NO			7 4	
A 48	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 48B	2		E5-B SHLD A48					.25 NO .25 NO				
A 48W			P1-48 P2-G4					.15 NO .19 NO			7 4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 17 OF 29

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25	5.00				B,7	9	
					5.25	5.00				A,6A	8, 9	
A 49B	2		E5-B					.25	NO			
			SHLD A49					.25	NO			
A 49W			P1-49					.15	NO		7	
			P2-G5					.19	NO		4	
A 50	1				5.25	5.00				B,7	9	
					5.25	5.00				A,6A	8, 9	
A 50B	2		E5-B					.25	NO			
			SHLD A50					.25	NO			
A 50W			P1-50					.15	NO		7	
			P2-G6					.19	NO		4	
A 51	1				5.25	5.00				B,7	9	
					5.25	5.00				A,6A	8, 9	
A 51B	2		E6-B					.25	NO			
			SHLD A51					.25	NO			
A 51W			P1-51					.15	NO		7	
			P2-G7					.19	NO		4	
A 52	1				5.25	5.00				B,7	9	
					5.25	5.00				A,6A	8, 9	
A 52B	2		E6-B					.25	NO			
			SHLD A52					.25	NO			
A 52W			P1-52					.15	NO		7	
			P2-G8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 18 OF 29

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25	5.00				B,7	9	
					5.25	5.00				A,6A	8, 9	
A 53B	2		E6-B					.25	NO			
			SHLD A53					.25	NO			
A 53W			P1-53					.15	NO		7	
			P2-H1					.19	NO		4	
A 54	1				5.25	5.00				B,7	9	
					5.25	5.00				A,6A	8, 9	
A 54B	2		E6-B					.25	NO			
			SHLD A54					.25	NO			
A 54W			P1-54					.15	NO		7	
			P2-H2					.19	NO		4	
A 55	1				5.25	5.00				B,7	9	
					5.25	5.00				A,6A	8, 9	
A 55B	2		E6-B					.25	NO			
			SHLD A55					.25	NO			
A 55W			P1-55					.15	NO		7	
			P2-H3					.19	NO		4	
A 56	1				5.25	5.00				B,7	9	
					5.25	5.00				A,6A	8, 9	
A 56B	2		E6-B					.25	NO			
			SHLD A56					.25	NO			
A 56W			P1-56					.15	NO		7	
			P2-H4					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 19 OF 29

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75	5.50				B,7	9	
					5.75	5.50				A,6A	8, 9	
A 57B	2		E6-B					.25	NO			
			SHLD A57					.25	NO			
A 57W			P1-57					.15	NO		7	
			P2-H5					.19	NO		4	
A 58	1				5.75	5.50				B,7	9	
					5.75	5.50				A,6A	8, 9	
A 58B	2		E6-B					.25	NO			
			SHLD A58					.25	NO			
A 58W			P1-58					.15	NO		7	
			P2-H6					.19	NO		4	
A 59	1				5.75	5.50				B,7	9	
					5.75	5.50				A,6A	8, 9	
A 59B	2		E6-B					.25	NO			
			SHLD A59					.25	NO			
A 59W			P1-59					.15	NO		7	
			P2-H7					.19	NO		4	
A 60	1				5.75	5.50				B,7	9	
					5.75	5.50				A,6A	8, 9	
A 60B	2		E6-B					.25	NO			
			SHLD A60					.25	NO			
A 60W			P1-60					.15	NO		7	
			P2-H8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 20 OF 29

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75	5.50				B,7	9	
					5.75	5.50				A,6A	8, 9	
A 61B	2		E7-B					.25	NO			
			SHLD A61					.25	NO			
A 61W			P1-61					.15	NO		7	
			P2-J1					.19	NO		4	
A 62	1				5.75	5.50				B,7	9	
					5.75	5.50				A,6A	8, 9	
A 62B	2		E7-B					.25	NO			
			SHLD A62					.25	NO			
A 62W			P1-62					.15	NO		7	
			P2-J2					.19	NO		4	
A 63	1				5.75	5.50				B,7	9	
					5.75	5.50				A,6A	8, 9	
A 63B	2		E7-B					.25	NO			
			SHLD A63					.25	NO			
A 63W			P1-63					.15	NO		7	
			P2-J3					.19	NO		4	
A 64	1				5.75	5.50				B,7	9	
					5.75	5.50				A,6A	8, 9	
A 64B	2		E7-B					.25	NO			
			SHLD A64					.25	NO			
A 64W			P1-64					.15	NO		7	
			P2-J4					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 21 OF 29

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1				5.75	5.50				B,7	9	
					5.75	5.50				A,6A	8, 9	
A 65B	2		E7-B					.25	NO			
			SHLD A65					.25	NO			
A 65W			P1-65					.15	NO		7	
			P2-J5					.19	NO		4	
A 66	1				4.75	4.50				B,7	9	
					4.75	4.50				A,6A	8, 9	
A 66B	2		E7-B					.25	NO			
			SHLD A66					.25	NO			
A 66W			P1-66					.15	NO		7	
			P2-J6					.19	NO		4	
A 67	1				4.75	4.00				B,7	9	
					4.75	4.00				A,6A	8, 9	
A 67B	2		E7-B					.25	NO			
			SHLD A67					.25	NO			
A 67W			P1-67					.15	NO		7	
			P2-J7					.19	NO		4	
A 68	1				4.75	4.00				B,7	9	
					4.75	4.00				A,6A	8, 9	
A 68B	2		E7-B					.25	NO			
			SHLD A68					.25	NO			
A 68W			P1-68					.15	NO		7	
			P2-J8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901088
SCALE-NONE	REV LTR C	SHEET 22 OF 29

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 69	1				4.75	4.00				B,7	9	
					4.75	4.00				A,6A	8, 9	
A 69B	2		E7-B					.25	NO			
			SHLD A69					.25	NO			
A 69W			P1-69					.15	NO		7	
			P2-K1					.19	NO		4	
A 70	1				2.25	2.00				B,7	9	
					2.25	2.00				A,6A	8, 9	
A 70B	2		E8-B					.25	NO			
			SHLD A70					.25	NO			
A 70W			P1-70					.15	NO		7	
			P2-K2					.19	NO		4	
A 71	1				2.25	2.00				B,7	9	
					2.25	2.00				A,6A	8, 9	
A 71B	2		E8-B					.25	NO			
			SHLD A71					.25	NO			
A 71W			P1-71					.15	NO		7	
			P2-K3					.19	NO		4	
A 72	1				2.25	2.00				B,7	9	
					2.25	2.00				A,6A	8, 9	
A 72B	2		E8-B					.25	NO			
			SHLD A72					.25	NO			
A 72W			P1-72					.15	NO		7	
			P2-K6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901088
SCALE-NONE	REV LTR C	SHEET 23 OF 29

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1				2.25	2.00				B,7	9	
					2.25	2.00				A,6A	8, 9	
A 73B	2		E8-B					.25	NO			
			SHLD A73					.25	NO			
A 73W			P1-73					.15	NO		7	
			P2-K7					.19	NO		4	
A 74	1				2.75	2.50				B,7	9	
					2.75	2.50				A,6A	8, 9	
A 74B	2		E8-B					.25	NO			
			SHLD A74					.25	NO			
A 74W			P1-74					.15	NO		7	
			P2-K8					.19	NO		4	
A 75	1				2.75	2.50				B,7	9	
					2.75	2.50				A,6A	8, 9	
A 75B	2		E8-B					.25	NO			
			SHLD A75					.25	NO			
A 75W			P1-75					.15	NO		7	
			P2-L1					.19	NO		4	
A 76	1				2.75	2.50				B,7	9	
					2.75	2.50				A,6A	8, 9	
A 76B	2		E8-B					.25	NO			
			SHLD A76					.25	NO			
A 76W			P1-76					.15	NO		7	
			P2-L2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901088
SCALE-NONE	REV LTR C	SHEET 24 OF 29

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	1				2.75	2.00				B,7	9	
					2.75	2.00				A,6A	8, 9	
A 77B	2		E8-B					.25	NO			
			SHLD A77					.25	NO			
A 77W			P1-77					.15	NO		7	
			P2-L7					.19	NO		4	
A 78	1				3.25	3.00				B,7	9	
					3.25	3.00				A,6A	8, 9	
A 78B	2		E9-B					.25	NO			
			SHLD A78					.25	NO			
A 78W			P1-78					.15	NO		7	
			P2-L8					.19	NO		4	
A 79	1				3.25	3.00				B,7	9	
					3.25	3.00				A,6A	8, 9	
A 79B	2		E9-B					.25	NO			
			SHLD A79					.25	NO			
A 79W			P1-79					.15	NO		7	
			P2-M1					.19	NO		4	
A 80	1				3.25	3.00				B,7	9	
					3.25	3.00				A,6A	8, 9	
A 80B	2		E9-B					.25	NO			
			SHLD A80					.25	NO			
A 80W			P1-80					.15	NO		7	
			P2-M2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901088
SCALE-NONE	REV LTR C	SHEET 25 OF 29

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81	1				3.25	3.00				8,7	9	
					3.25	3.00				A,6A	8, 9	
A 81B	2		E9-B					.25	NO			
			SHLD A81					.25	NO			
A 81W			P1-81					.15	NO		7	
			P2-M3					.19	NO		4	
A 82	1				3.75	3.50				8,7	9	
					3.75	3.50				A,6A	8, 9	
A 82B	2		E9-B					.25	NO			
			SHLD A82					.25	NO			
A 82W			P1-82					.15	NO		7	
			P2-M6					.19	NO		4	
A 83	1				3.75	3.50				8,7	9	
					3.75	3.50				A,6A	8, 9	
A 83B	2		E9-B					.25	NO			
			SHLD A83					.25	NO			
A 83W			P1-83					.15	NO		7	
			P2-M7					.19	NO		4	
A 84	1				3.75	3.50				8,7	9	
					3.75	3.50				A,6A	8, 9	
A 84B	2		E9-B					.25	NO			
			SHLD A84					.25	NO			
A 84W			P1-84					.15	NO		7	
			P2-M8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 26 OF 29

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1				3.75	3.50				8,7	9	
					3.75	3.50				A,6A	8, 9	
A 85B	2		E9-B					.25	NO			
			SHLD A85					.25	NO			
A 85W			P1-85					.15	NO		7	
			P2-N1					.19	NO		4	
A 86	13		E1-BB					.25	NO			
			E10-B					.25	NO			
A 87	13		E2-BB					.25	NO			
			E10-B					.25	NO			
A 88	13		E3-BB					.25	NO			
			E10-B					.25	NO			
A 89	13		E4-BB					.25	NO			
			E10-B					.25	NO			
A 90	13		E5-BB					.25	NO			
			E10-B					.25	NO			
A 91	13		E6-BB					.25	NO			
			E11-B					.25	NO			
A 92	13		E7-BB					.25	NO			
			E11-B					.25	NO			
A 93	13		E8-BB					.25	NO			
			E11-B					.25	NO			
A 94	13		E9-BB					.25	NO			
			E11-B					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 27 OF 29

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	13		E10-BB					.25	NO			
			E11-B					.25	NO			
A 96	14		E11-BB					.25	NO			
			P2-X6					.19	NO		22	

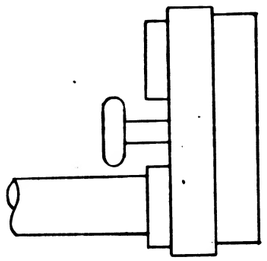
SIZE	CODE IDENT NO.	
A	99974	2901088

SCALE-NONE | REV LTR C | SHEET 28 OF 29

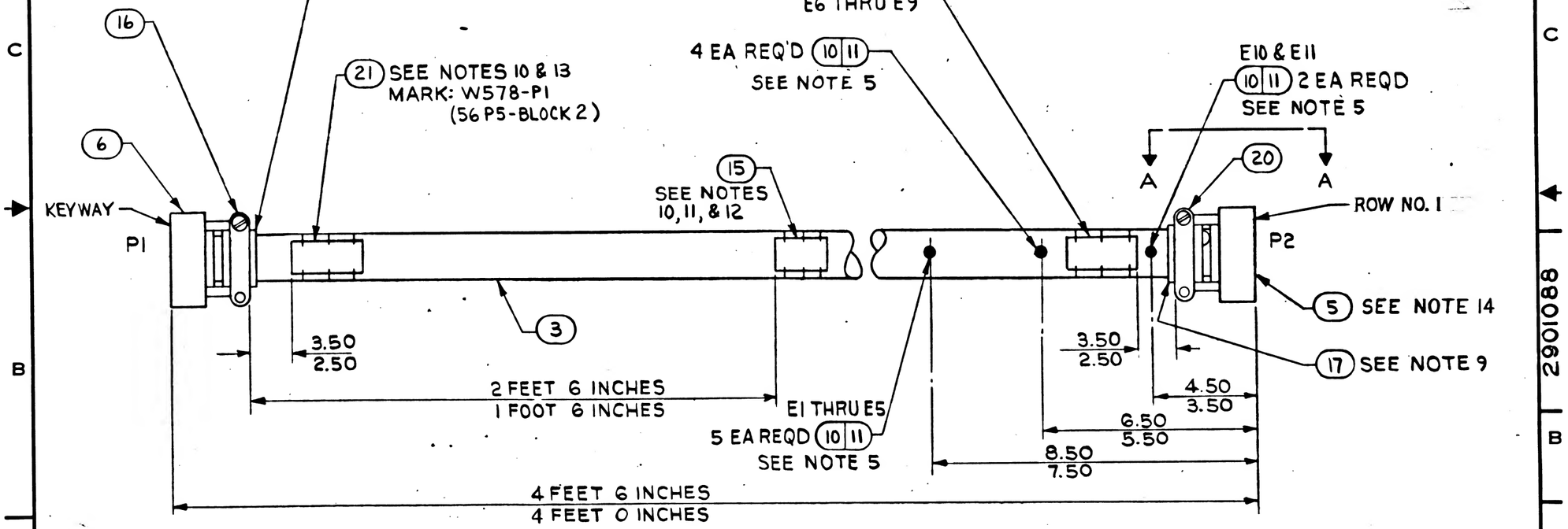
MIL 2084 9-65

4 | D | 8801067 | 3 | 2 | 1 | 2901088

REVISIONS TDR 28604					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REV. RECORD			



PARTIAL VIEW A-A



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	DRAWN JANOWIAK 5 JAN 66 DATE	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W578
	CHECKED Hodge 10 JAN 66	
	APPROVAL Gladman 5/Jan	
DO NOT SCALE THIS DRAWING	CONTRACT NAS 9-497	SIZE C | CODE IDENT NO. 99974 | 2901088
MATERIAL	NASA APPROVAL A.C. Mott	SCALE NONE | SHEET 290F 29
APPROVAL	MIT APPROVAL MG Mundy 5-10-66	

MIL-100SD D

4 | 3 | 2 | 1

2901088

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
2901076-011	2901076-011	A	① REPLACES WITH CHANGE REV (-) PER MXC209705	8 MAR 66	H.N.
		B	REVISED PER MXC210329	21 MAR 66	LK EF
		C	INITIAL RELEASE CLASS A PER TDRR 28604	5 MAY 66	EF

Charles Stone
24 FEB 66

REV																														
SHEET																														
REV STATUS OF SHEETS	REV					C	C	C	C	C	C		C	C	C	C	C													
	SHEET					1	2	3	4	5	6	7	8	9	10	11														

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY
MX116375

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

DRAFTSMAN C.M. 21 FEB 66
CHECKER Mayer 22 FEB 66
ENGINEER
APPROVAL
CONTR NO. NAS9-497
NASA APPROVAL
MIT APPROVAL

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W566

SIZE	CODE IDENT. NO	
A	99974	2901089

SCALE NONE SHEET 1 OF 11

MIL 1377A6 12-66

NOTE GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
4	ASSEMBLE PER ND 1002032
5	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
6	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 11.
7	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
8	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 10 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
9	SERIALIZE PER ND 1002032
10	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND 1002019. CENTRALIZE
11	AT ASSEMBLY OF ITEM 5 TO ITEM 9 REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 9 USING LOCATING PINS.

MIL 2084 9-65

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

MIL 2084 9-65

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1		2901089-001	WIRE ND1002181 TYPE 1 CLASS 1, 22 AWG WHT, 244 FT TOTAL LENGTH
	2		2901089-002	ZIPPER TUBING PER ND1002155 TYPE 1 GREY, 1.5 IN DIA, 4 FT TOTAL LENGTH
5	3	2	1016128-021	BAND IDENTIFICATION
5	4	61	1016369-421	CONTACT, SOCKET
5	5	1	1897336-001	CONNECTOR
5	6	1	1897247-008	CONNECTOR
5	7	X	1897190- 2	CONTACT, SOCKET (FURNISHED WITH ITEM 6)
5	8	1	1010933-105	CLAMP, STRAIN RELIEF
5	9	1	1897391	CLAMP, CABLE DOUBLE ENTRY
	10	AR	MIL-I-631 TYPE F FORM T BLACK GRADE A CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
	11	AR	MIL-T-713B TYPE P, CLASS 2, BLACK	LACING TAPE
5	12	1	1016128-041	BAND, IDENTIFICATION

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-1					.15	NO		7	
			P2-A3					.19	NO		4	
A	2	1	P1-2					.15	NO		7	
			P2-A4					.19	NO		4	
A	3	1	P1-3					.15	NO		7	
			P2-A5					.19	NO		4	
A	4	1	P1-4					.15	NO		7	
			P2-A6					.19	NO		4	
A	5	1	P1-5					.15	NO		7	
			P2-B1					.19	NO		4	
A	6	1	P1-6					.15	NO		7	
			P2-B2					.19	NO		4	
A	7	1	P1-7					.15	NO		7	
			P2-B3					.19	NO		4	
A	8	1	P1-8					.15	NO		7	
			P2-B4					.19	NO		4	
A	9	1	P1-9					.15	NO		7	
			P2-B5					.19	NO		4	
A	10	1	P1-10					.15	NO		7	
			P2-B6					.19	NO		4	
A	11	1	P1-11					.15	NO		7	
			P2-B7					.19	NO		4	
A	12	1	P1-12					.15	NO		7	
			P2-B8					.19	NO		4	

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		P1-13					.15	NO		7	
			P2-C					.19	NO		4	
A 14	1		P1-14					.15	NO		7	
			P2-C2					.19	NO		4	
A 15	1		P1-15					.15	NO		7	
			P2-C3					.19	NO		4	
A 16	1		P1-16					.15	NO		7	
			P2-C4					.19	NO		4	
A 17	1		P1-17					.15	NO		7	
			P2-C5					.19	NO		4	
A 18	1		P1-18					.15	NO		7	
			P2-C6					.19	NO		4	
A 19	1		P1-19					.15	NO		7	
			P2-C7					.19	NO		4	
A 20	1		P1-20					.15	NO		7	
			P2-C8					.19	NO		4	
A 21	1		P1-21					.15	NO		7	
			P2-D1					.19	NO		4	
A 22	1		P1-22					.15	NO		7	
			P2-D2					.19	NO		4	
A 23	1		P1-23					.15	NO		7	
			P2-D3					.19	NO		4	
A 24	1		P1-24					.15	NO		7	
			P2-D4					.19	NO		4	

SIZE	CODE IDENT	
A	NO 99974	2901089
SCALE-NONE	REV LTR C	SHEET 6 OF 11

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1		P1-25					.15	NO		7	
			P2-D5					.19	NO		4	
A 26	1		P1-26					.15	NO		7	
			P2-D6					.19	NO		4	
A 27	1		P1-27					.15	NO		7	
			P2-D7					.19	NO		4	
A 28	1		P1-28					.15	NO		7	
			P2-D8					.19	NO		4	
A 29	1		P1-29					.15	NO		7	
			P2-E1					.19	NO		4	
A 30	1		P1-30					.15	NO		7	
			P2-E2					.19	NO		4	
A 31	1		P1-31					.15	NO		7	
			P2-E3					.19	NO		4	
A 32	1		P1-32					.15	NO		7	
			P2-E4					.19	NO		4	
A 33	1		P1-33					.15	NO		7	
			P2-E5					.19	NO		4	
A 34	1		P1-34					.15	NO		7	
			P2-E6					.19	NO		4	
A 35	1		P1-35					.15	NO		7	
			P2-E7					.19	NO		4	
A 36	1		P1-36					.15	NO		7	
			P2-E8					.19	NO		4	

SIZE	CODE IDENT	
A	NO 99974	2901089
SCALE-NONE	REV LTR C	SHEET 7 OF 11

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1		P1-37					.15	NO		7	
			P2-F1					.19	NO		4	
A 38	1		P1-38					.15	NO		7	
			P2-F2					.19	NO		4	
A 39	1		P1-39					.15	NO		7	
			P2-F3					.19	NO		4	
A 40	1		P1-40					.15	NO		7	
			P2-F4					.19	NO		4	
A 41	1		P1-41					.15	NO		7	
			P2-F5					.19	NO		4	
A 42	1		P1-42					.15	NO		7	
			P2-F6					.19	NO		4	
A 43	1		P1-43					.15	NO		7	
			P2-F7					.19	NO		4	
A 44	1		P1-44					.15	NO		7	
			P2-F8					.19	NO		4	
A 45	1		P1-45					.15	NO		7	
			P2-G1					.19	NO		4	
A 46	1		P1-46					.15	NO		7	
			P2-G2					.19	NO		4	
A 47	1		P1-47					.15	NO		7	
			P2-G3					.19	NO		4	
A 48	1		P1-48					.15	NO		7	
			P2-G4					.19	NO		4	

SIZE	CODE IDENT	
A	NO 99974	2901089
SCALE-NONE	REV LTR C	SHEET 8 OF 11

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1		P1-49					.15	NO		7	
			P2-G5					.19	NO		4	
A 50	1		P1-50					.15	NO		7	
			P2-G6					.19	NO		4	
A 51	1		P1-51					.15	NO		7	
			P2-G7					.19	NO		4	
A 52	1		P1-52					.15	NO		7	
			P2-G8					.19	NO		4	
A 53	1		P1-53					.15	NO		7	
			P2-H1					.19	NO		4	
A 54	1		P1-54					.15	NO		7	
			P2-H2					.19	NO		4	
A 55	1		P1-55					.15	NO		7	
			P2-H3					.19	NO		4	
A 56	1		P1-56					.15	NO		7	
			P2-H4					.19	NO		4	
A 57	1		P1-57					.15	NO		7	
			P2-H5					.19	NO		4	
A 58	1		P1-58					.15	NO		7	
			P2-H6					.19	NO		4	
A 59	1		P1-59					.15	NO		7	
			P2-H7					.19	NO		4	
A 60	1		P1-60					.15	NO		7	
			P2-H8					.19	NO		4	

SIZE	CODE IDENT	
A	NO 99974	2901089
SCALE-NONE	REV LTR C	SHEET 9 OF 11

MIL 2084 9-65

CABLE ASSEMBLY W566 2901089 C+

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1		P1-61					.15	NO		7	
			P2-J1					.19	NO		4	

SIZE	CODE IDENT	2901089
A	99974	
SCALE-NONE	REV LTR + C	SHEET 10 OF 11

MIL 2084 9-85

APPLICATION	
NEXT ASSY	USED ON
2901076-011	2901076-011

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	(1) REPLACES WITH CHANGE REV (-) PER MXC209705	8 MAR 66	A.N.
B	REVISED PER MXC210329	21 MAR 66	LK EF
C	INITIAL RELEASE CLASS A PER TDRR 28604	2 MAY 66	EF
D	REVISED PER TDRR 29225	8 JUN 66	JIMP

(M)

24 FEB 66

REV STATUS OF SHEETS												
REV		D	C	C	D	C	C	C	C	C	C	C
SHEET		1	2	3	4	5	6	7	8	9	10	11

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY
MX116375

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

DRAFTSMAN C.M. 21 FEB 66
CHECKER 22 FEB 66
ENGINEER
APPROVAL
CONTR NO. NAS9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, W566

SIZE	CODE IDENT. NO	
A	99974	2901089
SCALE NONE		SHEET 1 OF 11

MIL 1377A6 12-65

NOTE GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
4	ASSEMBLE PER ND 1002032
5	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
6	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 11.
7	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
8	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 10 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
9	SERIALIZE PER ND 1002032
10	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND 1002019. CENTRALIZE
11	AT ASSEMBLY OF ITEM 5 TO ITEM 9 REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 9 USING LOCATING PINS.

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1		2901089-001	WIRE ND1002181 TYPE 1 CLASS 1, 22 AWG WHT, 244 FT TOTAL LENGTH
	2		2901089-002	ZIPPER TUBING PER ND1002155 TYPE 1 GREY, 1.5 IN DIA, 4 FT TOTAL LENGTH
5	3	2	1016128-021	BAND IDENTIFICATION
5	4	61	1016369-421	CONTACT, SOCKET
5	5	1	1897336-001	CONNECTOR
5	6	1	1897247-008	CONNECTOR
5	7	X	1897190- 2	CONTACT, SOCKET (FURNISHED WITH ITEM 6)
5	8	1	1010933-104	CLAMP, STRAIN RELIEF
5	9	1	1897391	CLAMP, CABLE DOUBLE ENTRY
	10	AR	MIL-I-631 TYPE F FORM T BLACK GRADE A CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
	11	AR	MIL-T-7138 TYPE P, CLASS 2, BLACK	LACING TAPE
5	12	1	1016128-041	BAND, IDENTIFICATION

LEAD IDENT	WIRE ITEM	MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1		P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1		P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1		P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1		P1-4 P2-A6					.15 .19	NO NO		7 4	
A	5	1		P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1		P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1		P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1		P1-8 P2-B4					.15 .19	NO NO		7 4	
A	9	1		P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1		P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1		P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1		P1-12 P2-B8					.15 .19	NO NO		7 4	

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1		P1-13					.15	NO		7	
				P2-C1					.19	NO		4	
A	14	1		P1-14					.15	NO		7	
				P2-C2					.19	NO		4	
A	15	1		P1-15					.15	NO		7	
				P2-C3					.19	NO		4	
A	16	1		P1-16					.15	NO		7	
				P2-C4					.19	NO		4	
A	17	1		P1-17					.15	NO		7	
				P2-C5					.19	NO		4	
A	18	1		P1-18					.15	NO		7	
				P2-C6					.19	NO		4	
A	19	1		P1-19					.15	NO		7	
				P2-C7					.19	NO		4	
A	20	1		P1-20					.15	NO		7	
				P2-C8					.19	NO		4	
A	21	1		P1-21					.15	NO		7	
				P2-D1					.19	NO		4	
A	22	1		P1-22					.15	NO		7	
				P2-D2					.19	NO		4	
A	23	1		P1-23					.15	NO		7	
				P2-D3					.19	NO		4	
A	24	1		P1-24					.15	NO		7	
				P2-D4					.19	NO		4	

SIZE	CODE IDENT NO	
A	99974	2901089
SCALE-NONE	REV LTR C	SHEET 6 OF 11

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	25	1		P1-25					.15	NO		7	
				P2-D5					.19	NO		4	
A	26	1		P1-26					.15	NO		7	
				P2-D6					.19	NO		4	
A	27	1		P1-27					.15	NO		7	
				P2-D7					.19	NO		4	
A	28	1		P1-28					.15	NO		7	
				P2-D8					.19	NO		4	
A	29	1		P1-29					.15	NO		7	
				P2-E1					.19	NO		4	
A	30	1		P1-30					.15	NO		7	
				P2-E2					.19	NO		4	
A	31	1		P1-31					.15	NO		7	
				P2-E3					.19	NO		4	
A	32	1		P1-32					.15	NO		7	
				P2-E4					.19	NO		4	
A	33	1		P1-33					.15	NO		7	
				P2-E5					.19	NO		4	
A	34	1		P1-34					.15	NO		7	
				P2-E6					.19	NO		4	
A	35	1		P1-35					.15	NO		7	
				P2-E7					.19	NO		4	
A	36	1		P1-36					.15	NO		7	
				P2-E8					.19	NO		4	

SIZE	CODE IDENT NO	
A	99974	2901089
SCALE-NONE	REV LTR C	SHEET 7 OF 11

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	37	1		P1-37					.15	NO		7	
				P2-F1					.19	NO		4	
A	38	1		P1-38					.15	NO		7	
				P2-F2					.19	NO		4	
A	39	1		P1-39					.15	NO		7	
				P2-F3					.19	NO		4	
A	40	1		P1-40					.15	NO		7	
				P2-F4					.19	NO		4	
A	41	1		P1-41					.15	NO		7	
				P2-F5					.19	NO		4	
A	42	1		P1-42					.15	NO		7	
				P2-F6					.19	NO		4	
A	43	1		P1-43					.15	NO		7	
				P2-F7					.19	NO		4	
A	44	1		P1-44					.15	NO		7	
				P2-F8					.19	NO		4	
A	45	1		P1-45					.15	NO		7	
				P2-G1					.19	NO		4	
A	46	1		P1-46					.15	NO		7	
				P2-G2					.19	NO		4	
A	47	1		P1-47					.15	NO		7	
				P2-G3					.19	NO		4	
A	48	1		P1-48					.15	NO		7	
				P2-G4					.19	NO		4	

SIZE	CODE IDENT NO	
A	99974	2901089
SCALE-NONE	REV LTR C	SHEET 8 OF 11

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	49	1		P1-49					.15	NO		7	
				P2-G5					.19	NO		4	
A	50	1		P1-50					.15	NO		7	
				P2-G6					.19	NO		4	
A	51	1		P1-51					.15	NO		7	
				P2-G7					.19	NO		4	
A	52	1		P1-52					.15	NO		7	
				P2-G8					.19	NO		4	
A	53	1		P1-53					.15	NO		7	
				P2-H1					.19	NO		4	
A	54	1		P1-54					.15	NO		7	
				P2-H2					.19	NO		4	
A	55	1		P1-55					.15	NO		7	
				P2-H3					.19	NO		4	
A	56	1		P1-56					.15	NO		7	
				P2-H4					.19	NO		4	
A	57	1		P1-57					.15	NO		7	
				P2-H5					.19	NO		4	
A	58	1		P1-58					.15	NO		7	
				P2-H6					.19	NO		4	
A	59	1		P1-59					.15	NO		7	
				P2-H7					.19	NO		4	
A	60	1		P1-60					.15	NO		7	
				P2-H8					.19	NO		4	

SIZE	CODE IDENT NO	
A	99974	2901089
SCALE-NONE	REV LTR C	SHEET 9 OF 11

MIL 2084 9-65

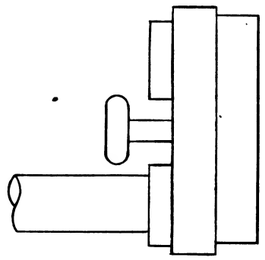
CABLE ASSEMBLY W566 2901089 C

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM, JKT AREA, TRIP NO.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	61	1		P1-61				.15	NO		7	
				P2-J1				.19	NO		4	

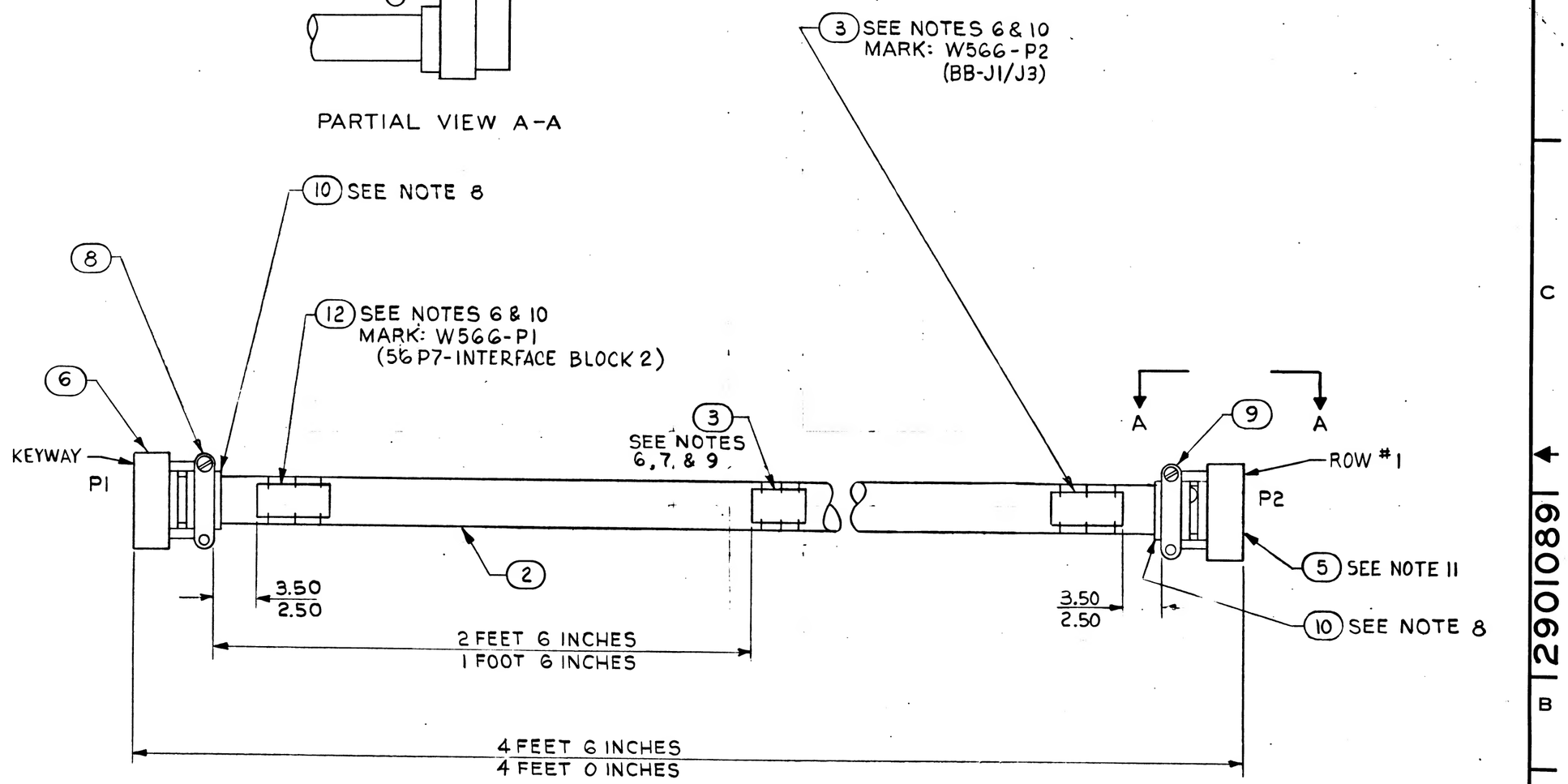
SIZE	CODE IDENT	
A	99974	2901089
SCALE-NONE	REV LTR A C	SHEET 10 OF 11

MIL 2084 9-65

REVISIONS TDR 28604					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



PARTIAL VIEW A-A



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN C.M. Kuba 21 FEB 66 DATE CHECKED Molya 22 FEB 66 APPROVAL L Edelman 3/1/66 CONTRACT NAS 9-497	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W566
MATERIAL —	NASA APPROVAL MIT APPROVAL M.G. Winkler 3-10-66	SIZE C · CODE IDENT NO. 99974 · 2901089
APPROVAL		SCALE NONE · SHEET 11 OF 11

2901089 REV LTR B

APPLICATION	
NEXT ASSY	USED ON
2901075-011	2901075-011

LTR	DESCRIPTION	DATE	APPROVED
	REPLACES REVISION (+) WITH CHANGE PER	8 MAR 66	
A	REPLACES REV - WITH CHANGE PER MXC-210330	17-MAR-66	B.
B	REVISED PER MXC 210434	31 MAR 66	JAC
C	REVISED PER MXC 211610	22 APR 66	RWH
D	REVISED PER MXC 213252	14 JUN 66	LGC
E	INITIAL RELEASE CLASS A PER TDRR 30438	22 JUNE 66	

REV	E	E	E	E	E	E	E	E	E	E	E													
SHEET	24	25	26	27	28	29	30	31	32	33	34	35												
REV STATUS OF SHEETS	REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY
DO 61691

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS BLOCK II/LEM

DRAFTSMAN JANOWIAK 5 JAN 66 (DAY MO YR)
CHECKER J. Meetz 13 JAN 66
ENGINEER
APPROVAL
CONTR NO. NAS 9-497
NASA APPROVAL
QSR APPROVAL

CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL BRANCHED W563

SIZE	CODE IDENT. NO	
A	99974	2901090
SCALE	NONE	SHEET 1 OF 35

~~MX116415~~

MIL 1377A6 12-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
3	TAPE HARNESS USING ITEM 11.
4	APPLY LEAD IDENTIFICATIONS PER ND1002019.
5	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 8.
6	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 6 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	SERIALIZE PER ND1002023
9	MARK IDENTIFICATION BANDS WITH DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.
10	ASSEMBLE PER ND1002032.
11	AT ASSEMBLY OF ITEM 2, REMOVE 4 SELFLOCKING NUTS SECURING LOCATING PINS TO CONNECTOR AND DISCARD. ATTACH ITEM 2 USING LOCATING PINS.
12	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR E	SHEET 2 OF 35

MIL 2084 9-65

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR E	SHEET 3 OF 35

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2901090-001	WIRE ND1002181 TYPE 1, CLASS 1, 22AWG WHT 1440 FT. TOTAL LENGTH
7	2	3	1897391	CLAMP, STRAIN RELIEF
7	3	1	2901434-011	CONNECTOR
7	4	360	1016369-421	CONTACT, SOCKET
7	5	4	1016128-021	BAND, IDENTIFICATION
	6	AR	MIL-I-631 TYPE F FORM T, BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
7	7	360	1897300-002	CONTACT, SPRING SOCKET
	8	AR	MIL-T-7138 BLK TYPE P, CLASS 2,	LACING TAPE
7	9	360	1015864-232	INSULATION SLEEVING, ELECT
	10	1	2901090-002	ZIPPER TUBING PER ND1002155 TYPE 4 GREY 1, 1, 1 DIA 4 FT TOTAL LENGTH 3 CHANNEL
	11	AR	MIL-I-15126 TYPE ACT	INSULATION-TAPE, ELECTRICAL, PRESSURE SENSITIVE THERMO SETTING ADHESIVE .75 + OR - .03 WIDE (ES2716 TYPE C)
	12	1	2901182-011	CONNECTOR
7	13	1	2901434-021	CONNECTOR
7	14	1	2901434-031	CONNECTOR
7	15	1	1016128-041	BAND IDENTIFICATION

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR E	SHEET 4 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-101					.15	NO		7, 9	
			P2-A3					.19	NO		4	
A	2	1	P1-102					.15	NO		7, 9	
			P2-A4					.19	NO		4	
A	3	1	P1-103					.15	NO		7, 9	
			P2-A5					.19	NO		4	
A	4	1	P1-104					.15	NO		7, 9	
			P2-A6					.19	NO		4	
A	5	1	P1-105					.15	NO		7, 9	
			P2-B1					.19	NO		4	
A	6	1	P1-106					.15	NO		7, 9	
			P2-B2					.19	NO		4	
A	7	1	P1-107					.15	NO		7, 9	
			P2-B3					.19	NO		4	
A	8	1	P1-108					.15	NO		7, 9	
			P2-B4					.19	NO		4	
A	9	1	P1-109					.15	NO		7, 9	
			P2-B5					.19	NO		4	
A	10	1	P1-110					.15	NO		7, 9	
			P2-B6					.19	NO		4	
A	11	1	P1-111					.15	NO		7, 9	
			P2-B7					.19	NO		4	
A	12	1	P1-112					.15	NO		7, 9	
			P2-B8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR E	SHEET 5 OF 35

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1		P1-113					.15	NO		7, 9	
				P2-C1					.19	NO		4	
A	14	1		P1-114					.15	NO		7, 9	
				P2-C2					.19	NO		4	
A	15	1		P1-115					.15	NO		7, 9	
				P2-C3					.19	NO		4	
A	16	1		P1-116					.15	NO		7, 9	
				P2-C4					.19	NO		4	
A	17	1		P1-117					.15	NO		7, 9	
				P2-C5					.19	NO		4	
A	18	1		P1-118					.15	NO		7, 9	
				P2-C6					.19	NO		4	
A	19	1		P1-119					.15	NO		7, 9	
				P2-C7					.19	NO		4	
A	20	1		P1-120					.15	NO		7, 9	
				P2-C8					.19	NO		4	
A	21	1		P1-121					.15	NO		7, 9	
				P2-D1					.19	NO		4	
A	22	1		P1-122					.15	NO		7, 9	
				P2-D2					.19	NO		4	
A	23	1		P1-123					.15	NO		7, 9	
				P2-D3					.19	NO		4	
A	24	1		P1-124					.15	NO		7, 9	
				P2-D4					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 6 OF 35

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	25	1		P1-125					.15	NO		7, 9	
				P2-D5					.19	NO		4	
A	26	1		P1-126					.15	NO		7, 9	
				P2-D6					.19	NO		4	
A	27	1		P1-127					.15	NO		7, 9	
				P2-D7					.19	NO		4	
A	28	1		P1-128					.15	NO		7, 9	
				P2-D8					.19	NO		4	
A	29	1		P1-129					.15	NO		7, 9	
				P2-E1					.19	NO		4	
A	30	1		P1-130					.15	NO		7, 9	
				P2-E2					.19	NO		4	
A	32	1		P1-132					.15	NO		7, 9	
				P2-E4					.19	NO		4	
A	33	1		P1-133					.15	NO		7, 9	
				P2-E5					.19	NO		4	
A	34	1		P1-134					.15	NO		7, 9	
				P2-E6					.19	NO		4	
A	35	1		P1-135					.15	NO		7, 9	
				P2-E7					.19	NO		4	
A	36	1		P1-136					.15	NO		7, 9	
				P2-E8					.19	NO		4	
A	37	1		P1-137					.15	NO		7, 9	
				P2-F1					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 7 OF 35

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	38	1		P1-138					.15	NO		7, 9	
				P2-F2					.19	NO		4	
A	39	1		P1-139					.15	NO		7, 9	
				P2-F3					.19	NO		4	
A	40	1		P1-140					.15	NO		7, 9	
				P2-F4					.19	NO		4	
A	41	1		P1-141					.15	NO		7, 9	
				P2-F5					.19	NO		4	
A	42	1		P1-142					.15	NO		7, 9	
				P2-F6					.19	NO		4	
A	43	1		P1-143					.15	NO		7, 9	
				P2-F7					.19	NO		4	
A	44	1		P1-144					.15	NO		7, 9	
				P2-F8					.19	NO		4	
A	45	1		P1-145					.15	NO		7, 9	
				P2-G1					.19	NO		4	
A	46	1		P1-146					.15	NO		7, 9	
				P2-G2					.19	NO		4	
A	47	1		P1-147					.15	NO		7, 9	
				P2-G3					.19	NO		4	
A	48	1		P1-148					.15	NO		7, 9	
				P2-G4					.19	NO		4	
A	49	1		P1-149					.15	NO		7, 9	
				P2-G5					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 8 OF 35

MIL 2084 9-65

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	50	1		P1-150					.15	NO		7, 9	
				P2-G6					.19	NO		4	
A	51	1		P1-201					.15	NO		7, 9	
				P2-G7					.19	NO		4	
A	52	1		P1-202					.15	NO		7, 9	
				P2-G8					.19	NO		4	
A	53	1		P1-203					.15	NO		7, 9	
				P2-H1					.19	NO		4	
A	54	1		P1-204					.15	NO		7, 9	
				P2-H2					.19	NO		4	
A	55	1		P1-205					.15	NO		7, 9	
				P2-H3					.19	NO		4	
A	56	1		P1-206					.15	NO		7, 9	
				P2-H4					.19	NO		4	
A	57	1		P1-207					.15	NO		7, 9	
				P2-H5					.19	NO		4	
A	58	1		P1-208					.15	NO		7, 9	
				P2-H6					.19	NO		4	
A	59	1		P1-209					.15	NO		7, 9	
				P2-H7					.19	NO		4	
A	60	1		P1-210					.15	NO		7, 9	
				P2-H8					.19	NO		4	
A	61	1		P1-211					.15	NO		7, 9	
				P2-J1					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 9 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 62	1		P1-212					.15	NO		7, 9	
			P2-J2					.19	NO		4	
A 63	1		P1-213					.15	NO		7, 9	
			P2-J3					.19	NO		4	
A 64	1		P1-214					.15	NO		7, 9	
			P2-J4					.19	NO		4	
A 65	1		P1-215					.15	NO		7, 9	
			P2-J5					.19	NO		4	
A 66	1		P1-216					.15	NO		7, 9	
			P2-J6					.19	NO		4	
A 67	1		P1-217					.15	NO		7, 9	
			P2-J7					.19	NO		4	
A 68	1		P1-218					.15	NO		7, 9	
			P2-J8					.19	NO		4	
A 69	1		P1-219					.15	NO		7, 9	
			P2-K1					.19	NO		4	
A 70	1		P1-220					.15	NO		7, 9	
			P2-K2					.19	NO		4	
A 71	1		P1-221					.15	NO		7, 9	
			P2-K3					.19	NO		4	
A 72	1		P1-222					.15	NO		7, 9	
			P2-K6					.19	NO		4	
A 73	1		P1-223					.15	NO		7, 9	
			P2-K7					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 10 OF 35

MIL 2014 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 74	1		P1-224					.15	NO		7, 9	
			P2-K8					.19	NO		4	
A 75	1		P1-225					.15	NO		7, 9	
			P2-L1					.19	NO		4	
A 76	1		P1-226					.15	NO		7, 9	
			P2-L2					.19	NO		4	
A 77	1		P1-227					.15	NO		7, 9	
			P2-L7					.19	NO		4	
A 78	1		P1-228					.15	NO		7, 9	
			P2-L8					.19	NO		4	
A 79	1		P1-229					.15	NO		7, 9	
			P2-M1					.19	NO		4	
A 80	1		P1-230					.15	NO		7, 9	
			P2-M2					.19	NO		4	
A 82	1		P1-232					.15	NO		7, 9	
			P2-M6					.19	NO		4	
A 83	1		P1-233					.15	NO		7, 9	
			P2-M7					.19	NO		4	
A 84	1		P1-234					.15	NO		7, 9	
			P2-M8					.19	NO		4	
A 85	1		P1-235					.15	NO		7, 9	
			P2-N1					.19	NO		4	
A 86	1		P1-236					.15	NO		7, 9	
			P2-N2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 11 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87	1		P1-237					.15	NO		7, 9	
			P2-N3					.19	NO		4	
A 88	1		P1-238					.15	NO		7, 9	
			P2-N4					.19	NO		4	
A 89	1		P1-239					.15	NO		7, 9	
			P2-N5					.19	NO		4	
A 90	1		P1-240					.15	NO		7, 9	
			P2-N6					.19	NO		4	
A 91	1		P1-241					.15	NO		7, 9	
			P2-N7					.19	NO		4	
A 92	1		P1-242					.15	NO		7, 9	
			P2-N8					.19	NO		4	
A 93	1		P1-243					.15	NO		7, 9	
			P2-P1					.19	NO		4	
A 94	1		P1-244					.15	NO		7, 9	
			P2-P2					.19	NO		4	
A 95	1		P1-245					.15	NO		7, 9	
			P2-P3					.19	NO		4	
A 96	1		P1-246					.15	NO		7, 9	
			P2-P4					.19	NO		4	
A 97	1		P1-247					.15	NO		7, 9	
			P2-P5					.19	NO		4	
A 98	1		P1-248					.15	NO		7, 9	
			P2-P6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 12 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 99	1		P1-249					.15	NO		7, 9	
			P2-P7					.19	NO		4	
A 100	1		P1-250					.15	NO		7, 9	
			P2-P8					.19	NO		4	
A 101	1		P1-301					.15	NO		7, 9	
			P2-R1					.19	NO		4	
A 102	1		P1-302					.15	NO		7, 9	
			P2-R2					.19	NO		4	
A 103	1		P1-303					.15	NO		7, 9	
			P2-R3					.19	NO		4	
A 104	1		P1-304					.15	NO		7, 9	
			P2-R4					.19	NO		4	
A 105	1		P1-305					.15	NO		7, 9	
			P2-R5					.19	NO		4	
A 106	1		P1-306					.15	NO		7, 9	
			P2-R6					.19	NO		4	
A 107	1		P1-307					.15	NO		7, 9	
			P2-R7					.19	NO		4	
A 108	1		P1-308					.15	NO		7, 9	
			P2-R8					.19	NO		4	
A 109	1		P1-309					.15	NO		7, 9	
			P2-S1					.19	NO		4	
A 110	1		P1-310					.15	NO		7, 9	
			P2-S2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 13 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 111	1		P1-311					.15	NO		7, 9	
			P2-S3					.19	NO		4	
A 112	1		P1-312					.15	NO		7, 9	
			P2-S4					.19	NO		4	
A 113	1		P1-313					.15	NO		7, 9	
			P2-S5					.19	NO		4	
A 114	1		P1-314					.15	NO		7, 9	
			P2-S6					.19	NO		4	
A 115	1		P1-315					.15	NO		7, 9	
			P2-S7					.19	NO		4	
A 116	1		P1-316					.15	NO		7, 9	
			P2-S8					.19	NO		4	
A 117	1		P1-317					.15	NO		7, 9	
			P2-T1					.19	NO		4	
A 118	1		P1-318					.15	NO		7, 9	
			P2-T2					.19	NO		4	
A 119	1		P1-319					.15	NO		7, 9	
			P2-T3					.19	NO		4	
A 120	1		P1-320					.15	NO		7, 9	
			P2-T4					.19	NO		4	
A 121	1		P1-321					.15	NO		7, 9	
			P2-T5					.19	NO		4	
A 122	1		P1-322					.15	NO		7, 9	
			P2-T6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 14 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 123	1		P1-323					.15	NO		7, 9	
			P2-T7					.19	NO		4	
A 124	1		P1-324					.15	NO		7, 9	
			P2-T8					.19	NO		4	
A 125	1		P1-325					.15	NO		7, 9	
			P2-U1					.19	NO		4	
A 126	1		P1-326					.15	NO		7, 9	
			P2-U2					.19	NO		4	
A 127	1		P1-327					.15	NO		7, 9	
			P2-U3					.19	NO		4	
A 128	1		P1-328					.15	NO		7, 9	
			P2-U4					.19	NO		4	
A 129	1		P1-329					.15	NO		7, 9	
			P2-U5					.19	NO		4	
A 130	1		P1-330					.15	NO		7, 9	
			P2-U6					.19	NO		4	
A 132	1		P1-332					.15	NO		7, 9	
			P2-U8					.19	NO		4	
A 133	1		P1-333					.15	NO		7, 9	
			P2-V1					.19	NO		4	
A 134	1		P1-334					.15	NO		7, 9	
			P2-V2					.19	NO		4	
A 135	1		P1-335					.15	NO		7, 9	
			P2-V3					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 15 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 136	1		P1-336					.15	NO		7, 9	
			P2-V4					.19	NO		4	
A 137	1		P1-337					.15	NO		7, 9	
			P2-V5					.19	NO		4	
A 138	1		P1-338					.15	NO		7, 9	
			P2-V6					.19	NO		4	
A 139	1		P1-339					.15	NO		7, 9	
			P2-V7					.19	NO		4	
A 140	1		P1-340					.15	NO		7, 9	
			P2-V8					.19	NO		4	
A 141	1		P1-341					.15	NO		7, 9	
			P2-W1					.19	NO		4	
A 142	1		P1-342					.15	NO		7, 9	
			P2-W2					.19	NO		4	
A 143	1		P1-343					.15	NO		7, 9	
			P2-W3					.19	NO		4	
A 144	1		P1-344					.15	NO		7, 9	
			P2-W4					.19	NO		4	
A 145	1		P1-345					.15	NO		7, 9	
			P2-W5					.19	NO		4	
A 146	1		P1-346					.15	NO		7, 9	
			P2-W6					.19	NO		4	
A 147	1		P1-347					.15	NO		7, 9	
			P2-W7					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 16 OF 35

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 148	1		P1-348					.15	NO		7, 9	
			P2-W8					.19	NO		4	
A 149	1		P1-349					.15	NO		7, 9	
			P2-X3					.19	NO		4	
A 150	1		P1-350					.15	NO		7, 9	
			P2-X4					.19	NO		4	
A 151	1		P1-401					.15	NO		7, 9	
			P2-X5					.19	NO		4	
A 152	1		P1-402					.15	NO		7, 9	
			P3-X5					.19	NO		4	
A 153	1		P1-403					.15	NO		7, 9	
			P3-A3					.19	NO		4	
A 154	1		P1-404					.15	NO		7, 9	
			P3-A4					.19	NO		4	
A 155	1		P1-405					.15	NO		7, 9	
			P3-A5					.19	NO		4	
A 156	1		P1-406					.15	NO		7, 9	
			P3-A6					.19	NO		4	
A 157	1		P1-407					.15	NO		7, 9	
			P3-B1					.19	NO		4	
A 158	1		P1-408					.15	NO		7, 9	
			P3-B2					.19	NO		4	
A 159	1		P1-409					.15	NO		7, 9	
			P3-B3					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR *E	SHEET 17 OF 35

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 160	1		P1-410 P3-B4					.15 .19	NO NO		7, 9 4	
A 161	1		P1-411 P3-B5					.15 .19	NO NO		7, 9 4	
A 162	1		P1-412 P3-B6					.15 .19	NO NO		7, 9 4	
A 163	1		P1-413 P3-B7					.15 .19	NO NO		7, 9 4	
A 164	1		P1-414 P3-B8					.15 .19	NO NO		7, 9 4	
A 165	1		P1-415 P3-C1					.15 .19	NO NO		7, 9 4	
A 166	1		P1-416 P3-C2					.15 .19	NO NO		7, 9 4	
A 167	1		P1-417 P3-C3					.15 .19	NO NO		7, 9 4	
A 168	1		P1-418 P3-C4					.15 .19	NO NO		7, 9 4	
A 169	1		P1-419 P3-C5					.15 .19	NO NO		7, 9 4	
A 170	1		P1-420 P3-C6					.15 .19	NO NO		7, 9 4	
A 171	1		P1-421 P3-C7					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR #E	SHEET 18 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 172	1		P1-422 P3-C8					.15 .19	NO NO		7, 9 4	
A 173	1		P1-423 P3-D1					.15 .19	NO NO		7, 9 4	
A 174	1		P1-424 P3-D2					.15 .19	NO NO		7, 9 4	
A 175	1		P1-425 P3-D3					.15 .19	NO NO		7, 9 4	
A 176	1		P1-426 P3-D4					.15 .19	NO NO		7, 9 4	
A 177	1		P1-427 P3-D5					.15 .19	NO NO		7, 9 4	
A 178	1		P1-428 P3-D6					.15 .19	NO NO		7, 9 4	
A 179	1		P1-429 P3-D7					.15 .19	NO NO		7, 9 4	
A 180	1		P1-430 P3-D8					.15 .19	NO NO		7, 9 4	
A 182	1		P1-432 P3-E2					.15 .19	NO NO		7, 9 4	
A 183	1		P1-433 P3-E3					.15 .19	NO NO		7, 9 4	
A 184	1		P1-434 P3-E4					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR #E	SHEET 19 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 185	1		P1-435 P3-E5					.15 .19	NO NO		7, 9 4	
A 186	1		P1-436 P3-E6					.15 .19	NO NO		7, 9 4	
A 187	1		P1-437 P3-E7					.15 .19	NO NO		7, 9 4	
A 188	1		P1-438 P3-E8					.15 .19	NO NO		7, 9 4	
A 189	1		P1-439 P3-F1					.15 .19	NO NO		7, 9 4	
A 190	1		P1-440 P3-F2					.15 .19	NO NO		7, 9 4	
A 191	1		P1-441 P3-F3					.15 .19	NO NO		7, 9 4	
A 192	1		P1-442 P3-F4					.15 .19	NO NO		7, 9 4	
A 193	1		P1-443 P3-F5					.15 .19	NO NO		7, 9 4	
A 194	1		P1-444 P3-F6					.15 .19	NO NO		7, 9 4	
A 195	1		P1-445 P3-F7					.15 .19	NO NO		7, 9 4	
A 196	1		P1-446 P3-F8					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR #E	SHEET 20 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 197	1		P1-447 P3-G1					.15 .19	NO NO		7, 9 4	
A 198	1		P1-448 P3-G2					.15 .19	NO NO		7, 9 4	
A 199	1		P1-449 P3-G3					.15 .19	NO NO		7, 9 4	
A 200	1		P1-450 P3-G4					.15 .19	NO NO		7, 9 4	
A 201	1		P1-501 P3-G5					.15 .19	NO NO		7, 9 4	
A 202	1		P1-502 P3-G6					.15 .19	NO NO		7, 9 4	
A 203	1		P1-503 P3-G7					.15 .19	NO NO		7, 9 4	
A 204	1		P1-504 P3-G8					.15 .19	NO NO		7, 9 4	
A 205	1		P1-505 P3-H1					.15 .19	NO NO		7, 9 4	
A 206	1		P1-506 P3-H2					.15 .19	NO NO		7, 9 4	
A 207	1		P1-507 P3-H3					.15 .19	NO NO		7, 9 4	
A 208	1		P1-508 P3-H4					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR #E	SHEET 21 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	1		P1-509					.15	NO		7, 9	
			P3-H5					.19	NO		4	
A 210	1		P1-510					.15	NO		7, 9	
			P3-H6					.19	NO		4	
A 211	1		P1-511					.15	NO		7, 9	
			P3-H7					.19	NO		4	
A 212	1		P1-512					.15	NO		7, 9	
			P3-H8					.19	NO		4	
A 213	1		P1-513					.15	NO		7, 9	
			P3-J1					.19	NO		4	
A 214	1		P1-514					.15	NO		7, 9	
			P3-J2					.19	NO		4	
A 215	1		P1-515					.15	NO		7, 9	
			P3-J3					.19	NO		4	
A 216	1		P1-516					.15	NO		7, 9	
			P3-J4					.19	NO		4	
A 217	1		P1-517					.15	NO		7, 9	
			P3-J5					.19	NO		4	
A 218	1		P1-518					.15	NO		7, 9	
			P3-J6					.19	NO		4	
A 219	1		P1-519					.15	NO		7, 9	
			P3-J7					.19	NO		4	
A 220	1		P1-520					.15	NO		7, 9	
			P3-J8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR	SHEET 22 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	1		P1-521					.15	NO		7, 9	
			P3-K1					.19	NO		4	
A 222	1		P1-522					.15	NO		7, 9	
			P3-K2					.19	NO		4	
A 223	1		P1-523					.15	NO		7, 9	
			P3-K3					.19	NO		4	
A 224	1		P1-524					.15	NO		7, 9	
			P3-K6					.19	NO		4	
A 225	1		P1-525					.15	NO		7, 9	
			P3-K7					.19	NO		4	
A 226	1		P1-526					.15	NO		7, 9	
			P3-K8					.19	NO		4	
A 227	1		P1-527					.15	NO		7, 9	
			P3-L1					.19	NO		4	
A 228	1		P1-528					.15	NO		7, 9	
			P3-L2					.19	NO		4	
A 229	1		P1-529					.15	NO		7, 9	
			P3-L7					.19	NO		4	
A 230	1		P1-530					.15	NO		7, 9	
			P3-L8					.19	NO		4	
A 232	1		P1-532					.15	NO		7, 9	
			P3-M2					.19	NO		4	
A 233	1		P1-533					.15	NO		7, 9	
			P3-M3					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR	SHEET 23 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 234	1		P1-534					.15	NO		7, 9	
			P3-M6					.19	NO		4	
A 235	1		P1-535					.15	NO		7, 9	
			P3-M7					.19	NO		4	
A 236	1		P1-536					.15	NO		7, 9	
			P3-M8					.19	NO		4	
A 237	1		P1-537					.15	NO		7, 9	
			P3-N1					.19	NO		4	
A 238	1		P1-538					.15	NO		7, 9	
			P3-N2					.19	NO		4	
A 239	1		P1-539					.15	NO		7, 9	
			P3-N3					.19	NO		4	
A 240	1		P1-540					.15	NO		7, 9	
			P3-N4					.19	NO		4	
A 241	1		P1-541					.15	NO		7, 9	
			P3-N5					.19	NO		4	
A 242	1		P1-542					.15	NO		7, 9	
			P3-N6					.19	NO		4	
A 243	1		P1-543					.15	NO		7, 9	
			P3-N7					.19	NO		4	
A 244	1		P1-544					.15	NO		7, 9	
			P3-N8					.19	NO		4	
A 245	1		P1-545					.15	NO		7, 9	
			P3-P1					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR	SHEET 24 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 246	1		P1-546					.15	NO		7, 9	
			P3-P2					.19	NO		4	
A 247	1		P1-547					.15	NO		7, 9	
			P3-P3					.19	NO		4	
A 248	1		P1-548					.15	NO		7, 9	
			P3-P4					.19	NO		4	
A 249	1		P1-549					.15	NO		7, 9	
			P3-P5					.19	NO		4	
A 250	1		P1-550					.15	NO		7, 9	
			P3-P6					.19	NO		4	
A 251	1		P1-601					.15	NO		7, 9	
			P3-P7					.19	NO		4	
A 252	1		P1-602					.15	NO		7, 9	
			P3-P8					.19	NO		4	
A 253	1		P1-603					.15	NO		7, 9	
			P3-R1					.19	NO		4	
A 254	1		P1-604					.15	NO		7, 9	
			P3-R2					.19	NO		4	
A 255	1		P1-605					.15	NO		7, 9	
			P3-R3					.19	NO		4	
A 256	1		P1-606					.15	NO		7, 9	
			P3-R4					.19	NO		4	
A 257	1		P1-607					.15	NO		7, 9	
			P3-R5					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR	SHEET 25 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 258	1		P1-608					.15	NO		7, 9	
			P3-R6					.19	NO		4	
A 259	1		P1-609					.15	NO		7, 9	
			P3-R7					.19	NO		4	
A 260	1		P1-610					.15	NO		7, 9	
			P3-R8					.19	NO		4	
A 261	1		P1-611					.15	NO		7, 9	
			P3-S1					.19	NO		4	
A 262	1		P1-612					.15	NO		7, 9	
			P3-S2					.19	NO		4	
A 263	1		P1-613					.15	NO		7, 9	
			P3-S3					.19	NO		4	
A 264	1		P1-614					.15	NO		7, 9	
			P3-S4					.19	NO		4	
A 265	1		P1-615					.15	NO		7, 9	
			P3-S5					.19	NO		4	
A 266	1		P1-616					.15	NO		7, 9	
			P3-S6					.19	NO		4	
A 267	1		P1-617					.15	NO		7, 9	
			P3-S7					.19	NO		4	
A 268	1		P1-618					.15	NO		7, 9	
			P3-S8					.19	NO		4	
A 269	1		P1-619					.15	NO		7, 9	
			P3-T1					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090

SCALE-NONE | REV LTR E | SHEET 26 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 270	1		P1-620					.15	NO		7, 9	
			P3-T2					.19	NO		4	
A 271	1		P1-621					.15	NO		7, 9	
			P3-T3					.19	NO		4	
A 272	1		P1-622					.15	NO		7, 9	
			P3-T4					.19	NO		4	
A 273	1		P1-623					.15	NO		7, 9	
			P3-T5					.19	NO		4	
A 274	1		P1-624					.15	NO		7, 9	
			P3-T6					.19	NO		4	
A 275	1		P1-625					.15	NO		7, 9	
			P3-T7					.19	NO		4	
A 276	1		P1-626					.15	NO		7, 9	
			P3-T8					.19	NO		4	
A 277	1		P1-627					.15	NO		7, 9	
			P3-U1					.19	NO		4	
A 278	1		P1-628					.15	NO		7, 9	
			P3-U2					.19	NO		4	
A 279	1		P1-629					.15	NO		7, 9	
			P3-U3					.19	NO		4	
A 280	1		P1-630					.15	NO		7, 9	
			P3-U4					.19	NO		4	
A 282	1		P1-632					.15	NO		7, 9	
			P3-U6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090

SCALE-NONE | REV LTR E | SHEET 27 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 283	1		P1-633					.15	NO		7, 9	
			P3-U7					.19	NO		4	
A 284	1		P1-634					.15	NO		7, 9	
			P3-U8					.19	NO		4	
A 285	1		P1-635					.15	NO		7, 9	
			P3-V1					.19	NO		4	
A 286	1		P1-636					.15	NO		7, 9	
			P3-V2					.19	NO		4	
A 287	1		P1-637					.15	NO		7, 9	
			P3-V3					.19	NO		4	
A 288	1		P1-638					.15	NO		7, 9	
			P3-V4					.19	NO		4	
A 289	1		P1-639					.15	NO		7, 9	
			P3-V5					.19	NO		4	
A 290	1		P1-640					.15	NO		7, 9	
			P3-V6					.19	NO		4	
A 291	1		P1-641					.15	NO		7, 9	
			P3-V7					.19	NO		4	
A 292	1		P1-642					.15	NO		7, 9	
			P3-V8					.19	NO		4	
A 293	1		P1-643					.15	NO		7, 9	
			P3-W1					.19	NO		4	
A 294	1		P1-644					.15	NO		7, 9	
			P3-W2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090

SCALE-NONE | REV LTR E | SHEET 28 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 295	1		P1-645					.15	NO		7, 9	
			P3-W3					.19	NO		4	
A 296	1		P1-646					.15	NO		7, 9	
			P3-W4					.19	NO		4	
A 297	1		P1-647					.15	NO		7, 9	
			P3-W5					.19	NO		4	
A 298	1		P1-648					.15	NO		7, 9	
			P3-W6					.19	NO		4	
A 299	1		P1-649					.15	NO		7, 9	
			P3-W7					.19	NO		4	
A 300	1		P1-650					.15	NO		7, 9	
			P3-W8					.19	NO		4	
A 301	1		P1-151					.15	NO		7, 9	
			P3-X3					.19	NO		4	
A 302	1		P1-152					.15	NO		7, 9	
			P3-X4					.19	NO		4	
A 303	1		P1-153					.15	NO		7, 9	
			P4-X4					.19	NO		4	
A 304	1		P1-154					.15	NO		7, 9	
			P4-X5					.19	NO		4	
A 305	1		P1-155					.15	NO		7, 9	
			P4-A3					.19	NO		4	
A 306	1		P1-156					.15	NO		7, 9	
			P4-A4					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090

SCALE-NONE | REV LTR E | SHEET 29 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT AREA LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 355	1		P1-561 P4-G7					.15 .19	NO NO		7, 9 4	
A 356	1		P1-651 P4-G8					.15 .19	NO NO		7, 9 4	
A 357	1		P1-652 P4-H1					.15 .19	NO NO		7, 9 4	
A 358	1		P1-653 P4-H2					.15 .19	NO NO		7, 9 4	
A 359	1		P1-654 P4-H3					.15 .19	NO NO		7, 9 4	
A 360	1		P1-655 P4-H4					.15 .19	NO NO		7, 9 4	
A 361	1		P1-656 P4-H5					.15 .19	NO NO		7, 9 4	
A 362	1		P1-657 P4-H6					.15 .19	NO NO		7, 9 4	
A 363	1		P1-658 P4-H7					.15 .19	NO NO		7, 9 4	
A 364	1		P1-659 P4-H8					.15 .19	NO NO		7, 9 4	
A 365	1		P1-660 P4-J1					.15 .19	NO NO		7, 9 4	
A 366	1		P1-661 P4-J2					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	2901090
A	99974	
SCALE-NONE	REV LTR *E*	SHEET 34 OF 35

MIL 2084 9-65

APPLICATION	
NEXT ASSY	USED ON
2901075-011	2901075-011

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
	REPLACES REVISION(+) WITH CHANGE PER	8 MAR 66	
A	REPLACES REV - WITH CHANGE PER MXC-210330	17-MAR-66	B. W.D.
B	REVISED PER MXC 210434	31 JAN 66	R JAC
C	REVISED PER MXC 211610	22-APR 66	M.G. RWH
D	REVISED PER MXC 213252	14 JUN 66	LGC
(A1) E	INITIAL RELEASE CLASS A PER TDRR 30438	22 JUNE 66	
F	REVISED PER TDRR 31338	5OCT66	JJB N.W.

REV	E	E	E	E	E	E	E	E	E	E	F												
SHEET	24	25	26	27	28	29	30	31	32	33	34	35											

REV STATUS OF SHEETS	REV	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY
DO 61691

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS BLOCK II/LEM

DRAFTSMAN JANOWIAK DAY 5 MO JAN YR 66
CHECKER MOLYE 13 JAN 66
ENGINEER J. MEGE
APPROVAL J. Mihaiss
CONTR NO. NAS 9-497
NASA APPROVAL
CSD APPROVAL

CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL BRANCHED W563

SIZE	CODE IDENT. NO	2901090
A	99974	
SCALE NONE		SHEET 1 OF 35

~~MX116415~~

MIL 1377A6 12-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
3	TAPE HARNESS USING ITEM 11.
4	APPLY LEAD IDENTIFICATIONS PER ND1002019.
5	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 8.
6	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 6 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	SERIALIZE PER ND1002023
9	MARK IDENTIFICATION BANDS WITH DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.
10	ASSEMBLE PER ND1002032.
11	AT ASSEMBLY OF ITEM 2, REMOVE 4 SELFLOCKING NUTS SECURING LOCATING PINS TO CONNECTOR AND DISCARD. ATTACH ITEM 2 USING LOCATING PINS.
12	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

MIL 2084 9-65

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MIL 2084 9-65

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2901090-001	WIRE ND1002181 TYPE 1, CLASS 1, 22AWG WHT 1440 FT. TOTAL LENGTH
7	2	3	1897391	CLAMP, STRAIN RELIEF
7	3	1	2901434-011	CONNECTOR
7	4	360	1016369-421	CONTACT, SOCKET
7	5	4	1016128-021	BAND, IDENTIFICATION
	6	AR	MIL-I-631 TYPE F FORM T, BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
7	7	360	1897300-002	CONTACT, SPRING SOCKET
	8	AR	MIL-I-7138 BLK TYPE P, CLASS 2,	LACING TAPE
7	9	360	1015864-232	INSULATION SLEEVING, ELECT
	10	1	2901090-002	ZIPPER TUBING PER ND1002155 TYPE 4 GREY 1, 1, 1 DIA 4 FT TOTAL LENGTH 3 CHANNEL
	11	AR	MIL-I-15126 TYPE ACT	INSULATION-TAPE, ELECTRICAL, PRESSURE SENSITIVE THERMO SETTING ADHESIVE .75 + OR - .03 WIDE (ES2716 TYPE C)
	12	1	2901182-011	CONNECTOR
7	13	1	2901434-021	CONNECTOR
7	14	1	2901434-031	CONNECTOR
7	15	1	1016128-041	BAND IDENTIFICATION

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-101 P2-A3					.15 .19	NO NO		7, 9 4	
A	2	1	P1-102 P2-A4					.15 .19	NO NO		7, 9 4	
A	3	1	P1-103 P2-A5					.15 .19	NO NO		7, 9 4	
A	4	1	P1-104 P2-A6					.15 .19	NO NO		7, 9 4	
A	5	1	P1-105 P2-B1					.15 .19	NO NO		7, 9 4	
A	6	1	P1-106 P2-B2					.15 .19	NO NO		7, 9 4	
A	7	1	P1-107 P2-B3					.15 .19	NO NO		7, 9 4	
A	8	1	P1-108 P2-B4					.15 .19	NO NO		7, 9 4	
A	9	1	P1-109 P2-B5					.15 .19	NO NO		7, 9 4	
A	10	1	P1-110 P2-B6					.15 .19	NO NO		7, 9 4	
A	11	1	P1-111 P2-B7					.15 .19	NO NO		7, 9 4	
A	12	1	P1-112 P2-B8					.15 .19	NO NO		7, 9 4	

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	1		P1-509					.15	NO		7, 9	
			P3-H5					.19	NO		4	
A 210	1		P1-510					.15	NO		7, 9	
			P3-H6					.19	NO		4	
A 211	1		P1-511					.15	NO		7, 9	
			P3-H7					.19	NO		4	
A 212	1		P1-512					.15	NO		7, 9	
			P3-H8					.19	NO		4	
A 213	1		P1-513					.15	NO		7, 9	
			P3-J1					.19	NO		4	
A 214	1		P1-514					.15	NO		7, 9	
			P3-J2					.19	NO		4	
A 215	1		P1-515					.15	NO		7, 9	
			P3-J3					.19	NO		4	
A 216	1		P1-516					.15	NO		7, 9	
			P3-J4					.19	NO		4	
A 217	1		P1-517					.15	NO		7, 9	
			P3-J5					.19	NO		4	
A 218	1		P1-518					.15	NO		7, 9	
			P3-J6					.19	NO		4	
A 219	1		P1-519					.15	NO		7, 9	
			P3-J7					.19	NO		4	
A 220	1		P1-520					.15	NO		7, 9	
			P3-J8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR	SHEET 22 OF 35

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	1		P1-521					.15	NO		7, 9	
			P3-K1					.19	NO		4	
A 222	1		P1-522					.15	NO		7, 9	
			P3-K2					.19	NO		4	
A 223	1		P1-523					.15	NO		7, 9	
			P3-K3					.19	NO		4	
A 224	1		P1-524					.15	NO		7, 9	
			P3-K6					.19	NO		4	
A 225	1		P1-525					.15	NO		7, 9	
			P3-K7					.19	NO		4	
A 226	1		P1-526					.15	NO		7, 9	
			P3-K8					.19	NO		4	
A 227	1		P1-527					.15	NO		7, 9	
			P3-L1					.19	NO		4	
A 228	1		P1-528					.15	NO		7, 9	
			P3-L2					.19	NO		4	
A 229	1		P1-529					.15	NO		7, 9	
			P3-L7					.19	NO		4	
A 230	1		P1-530					.15	NO		7, 9	
			P3-L8					.19	NO		4	
A 232	1		P1-532					.15	NO		7, 9	
			P3-M2					.19	NO		4	
A 233	1		P1-533					.15	NO		7, 9	
			P3-M3					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR	SHEET 23 OF 35

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 234	1		P1-534					.15	NO		7, 9	
			P3-M6					.19	NO		4	
A 235	1		P1-535					.15	NO		7, 9	
			P3-M7					.19	NO		4	
A 236	1		P1-536					.15	NO		7, 9	
			P3-M8					.19	NO		4	
A 237	1		P1-537					.15	NO		7, 9	
			P3-N1					.19	NO		4	
A 238	1		P1-538					.15	NO		7, 9	
			P3-N2					.19	NO		4	
A 239	1		P1-539					.15	NO		7, 9	
			P3-N3					.19	NO		4	
A 240	1		P1-540					.15	NO		7, 9	
			P3-N4					.19	NO		4	
A 241	1		P1-541					.15	NO		7, 9	
			P3-N5					.19	NO		4	
A 242	1		P1-542					.15	NO		7, 9	
			P3-N6					.19	NO		4	
A 243	1		P1-543					.15	NO		7, 9	
			P3-N7					.19	NO		4	
A 244	1		P1-544					.15	NO		7, 9	
			P3-N8					.19	NO		4	
A 245	1		P1-545					.15	NO		7, 9	
			P3-P1					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR	SHEET 24 OF 35

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 246	1		P1-546					.15	NO		7, 9	
			P3-P2					.19	NO		4	
A 247	1		P1-547					.15	NO		7, 9	
			P3-P3					.19	NO		4	
A 248	1		P1-548					.15	NO		7, 9	
			P3-P4					.19	NO		4	
A 249	1		P1-549					.15	NO		7, 9	
			P3-P5					.19	NO		4	
A 250	1		P1-550					.15	NO		7, 9	
			P3-P6					.19	NO		4	
A 251	1		P1-601					.15	NO		7, 9	
			P3-P7					.19	NO		4	
A 252	1		P1-602					.15	NO		7, 9	
			P3-P8					.19	NO		4	
A 253	1		P1-603					.15	NO		7, 9	
			P3-R1					.19	NO		4	
A 254	1		P1-604					.15	NO		7, 9	
			P3-R2					.19	NO		4	
A 255	1		P1-605					.15	NO		7, 9	
			P3-R3					.19	NO		4	
A 256	1		P1-606					.15	NO		7, 9	
			P3-R4					.19	NO		4	
A 257	1		P1-607					.15	NO		7, 9	
			P3-R5					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR	SHEET 25 OF 35

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 258	1		P1-608					.15	NO		7, 9	
			P3-R6					.19	NO		4	
A 259	1		P1-609					.15	NO		7, 9	
			P3-R7					.19	NO		4	
A 260	1		P1-610					.15	NO		7, 9	
			P3-R8					.19	NO		4	
A 261	1		P1-611					.15	NO		7, 9	
			P3-S1					.19	NO		4	
A 262	1		P1-612					.15	NO		7, 9	
			P3-S2					.19	NO		4	
A 263	1		P1-613					.15	NO		7, 9	
			P3-S3					.19	NO		4	
A 264	1		P1-614					.15	NO		7, 9	
			P3-S4					.19	NO		4	
A 265	1		P1-615					.15	NO		7, 9	
			P3-S5					.19	NO		4	
A 266	1		P1-616					.15	NO		7, 9	
			P3-S6					.19	NO		4	
A 267	1		P1-617					.15	NO		7, 9	
			P3-S7					.19	NO		4	
A 268	1		P1-618					.15	NO		7, 9	
			P3-S8					.19	NO		4	
A 269	1		P1-619					.15	NO		7, 9	
			P3-T1					.19	NO		4	

SIZE	CODE IDENT NO.	2901090
A	99974	
SCALE-NONE	REV LTR *E	SHEET 26 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 270	1		P1-620					.15	NO		7, 9	
			P3-T2					.19	NO		4	
A 271	1		P1-621					.15	NO		7, 9	
			P3-T3					.19	NO		4	
A 272	1		P1-622					.15	NO		7, 9	
			P3-T4					.19	NO		4	
A 273	1		P1-623					.15	NO		7, 9	
			P3-T5					.19	NO		4	
A 274	1		P1-624					.15	NO		7, 9	
			P3-T6					.19	NO		4	
A 275	1		P1-625					.15	NO		7, 9	
			P3-T7					.19	NO		4	
A 276	1		P1-626					.15	NO		7, 9	
			P3-T8					.19	NO		4	
A 277	1		P1-627					.15	NO		7, 9	
			P3-U1					.19	NO		4	
A 278	1		P1-628					.15	NO		7, 9	
			P3-U2					.19	NO		4	
A 279	1		P1-629					.15	NO		7, 9	
			P3-U3					.19	NO		4	
A 280	1		P1-630					.15	NO		7, 9	
			P3-U4					.19	NO		4	
A 282	1		P1-632					.15	NO		7, 9	
			P3-U6					.19	NO		4	

SIZE	CODE IDENT NO.	2901090
A	99974	
SCALE-NONE	REV LTR *E	SHEET 27 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 283	1		P1-633					.15	NO		7, 9	
			P3-U7					.19	NO		4	
A 284	1		P1-634					.15	NO		7, 9	
			P3-U8					.19	NO		4	
A 285	1		P1-635					.15	NO		7, 9	
			P3-V1					.19	NO		4	
A 286	1		P1-636					.15	NO		7, 9	
			P3-V2					.19	NO		4	
A 287	1		P1-637					.15	NO		7, 9	
			P3-V3					.19	NO		4	
A 288	1		P1-638					.15	NO		7, 9	
			P3-V4					.19	NO		4	
A 289	1		P1-639					.15	NO		7, 9	
			P3-V5					.19	NO		4	
A 290	1		P1-640					.15	NO		7, 9	
			P3-V6					.19	NO		4	
A 291	1		P1-641					.15	NO		7, 9	
			P3-V7					.19	NO		4	
A 292	1		P1-642					.15	NO		7, 9	
			P3-V8					.19	NO		4	
A 293	1		P1-643					.15	NO		7, 9	
			P3-W1					.19	NO		4	
A 294	1		P1-644					.15	NO		7, 9	
			P3-W2					.19	NO		4	

SIZE	CODE IDENT NO.	2901090
A	99974	
SCALE-NONE	REV LTR *E	SHEET 28 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 295	1		P1-645					.15	NO		7, 9	
			P3-W3					.19	NO		4	
A 296	1		P1-646					.15	NO		7, 9	
			P3-W4					.19	NO		4	
A 297	1		P1-647					.15	NO		7, 9	
			P3-W5					.19	NO		4	
A 298	1		P1-648					.15	NO		7, 9	
			P3-W6					.19	NO		4	
A 299	1		P1-649					.15	NO		7, 9	
			P3-W7					.19	NO		4	
A 300	1		P1-650					.15	NO		7, 9	
			P3-W8					.19	NO		4	
A 301	1		P1-151					.15	NO		7, 9	
			P3-X3					.19	NO		4	
A 302	1		P1-152					.15	NO		7, 9	
			P3-X4					.19	NO		4	
A 303	1		P1-153					.15	NO		7, 9	
			P4-X4					.19	NO		4	
A 304	1		P1-154					.15	NO		7, 9	
			P4-X5					.19	NO		4	
A 305	1		P1-155					.15	NO		7, 9	
			P4-A3					.19	NO		4	
A 306	1		P1-156					.15	NO		7, 9	
			P4-A4					.19	NO		4	

SIZE	CODE IDENT NO.	2901090
A	99974	
SCALE-NONE	REV LTR *E	SHEET 29 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 307	1		P1-157 P4-A5					.15 .19	NO NO		7, 9 4	
A 308	1		P1-158 P4-A6					.15 .19	NO NO		7, 9 4	
A 309	1		P1-159 P4-B1					.15 .19	NO NO		7, 9 4	
A 310	1		P1-160 P4-B2					.15 .19	NO NO		7, 9 4	
A 311	1		P1-161 P4-B3					.15 .19	NO NO		7, 9 4	
A 312	1		P1-251 P4-B4					.15 .19	NO NO		7, 9 4	
A 313	1		P1-252 P4-B5					.15 .19	NO NO		7, 9 4	
A 314	1		P1-253 P4-B6					.15 .19	NO NO		7, 9 4	
A 315	1		P1-254 P4-B7					.15 .19	NO NO		7, 9 4	
A 316	1		P1-255 P4-B8					.15 .19	NO NO		7, 9 4	
A 317	1		P1-256 P4-C1					.15 .19	NO NO		7, 9 4	
A 318	1		P1-257 P4-C2					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR AE	SHEET 30 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 319	1		P1-258 P4-C3					.15 .19	NO NO		7, 9 4	
A 320	1		P1-259 P4-C4					.15 .19	NO NO		7, 9 4	
A 321	1		P1-260 P4-C5					.15 .19	NO NO		7, 9 4	
A 322	1		P1-261 P4-C6					.15 .19	NO NO		7, 9 4	
A 323	1		P1-351 P4-C7					.15 .19	NO NO		7, 9 4	
A 324	1		P1-352 P4-C8					.15 .19	NO NO		7, 9 4	
A 325	1		P1-353 P4-D1					.15 .19	NO NO		7, 9 4	
A 326	1		P1-354 P4-D2					.15 .19	NO NO		7, 9 4	
A 327	1		P1-355 P4-D3					.15 .19	NO NO		7, 9 4	
A 328	1		P1-356 P4-D4					.15 .19	NO NO		7, 9 4	
A 329	1		P1-357 P4-D5					.15 .19	NO NO		7, 9 4	
A 330	1		P1-358 P4-D6					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR AE	SHEET 31 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 331	1		P1-359 P4-D7					.15 .19	NO NO		7, 9 4	
A 332	1		P1-360 P4-D8					.15 .19	NO NO		7, 9 4	
A 333	1		P1-361 P4-E1					.15 .19	NO NO		7, 9 4	
A 334	1		P1-451 P4-E2					.15 .19	NO NO		7, 9 4	
A 335	1		P1-452 P4-E3					.15 .19	NO NO		7, 9 4	
A 336	1		P1-453 P4-E4					.15 .19	NO NO		7, 9 4	
A 337	1		P1-454 P4-E5					.15 .19	NO NO		7, 9 4	
A 338	1		P1-455 P4-E6					.15 .19	NO NO		7, 9 4	
A 339	1		P1-456 P4-E7					.15 .19	NO NO		7, 9 4	
A 340	1		P1-457 P4-E8					.15 .19	NO NO		7, 9 4	
A 341	1		P1-458 P4-F1					.15 .19	NO NO		7, 9 4	
A 342	1		P1-459 P4-F2					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR AE	SHEET 32 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 343	1		P1-460 P4-F3					.15 .19	NO NO		7, 9 4	
A 344	1		P1-461 P4-F4					.15 .19	NO NO		7, 9 4	
A 345	1		P1-551 P4-F5					.15 .19	NO NO		7, 9 4	
A 346	1		P1-552 P4-F6					.15 .19	NO NO		7, 9 4	
A 347	1		P1-553 P4-F7					.15 .19	NO NO		7, 9 4	
A 348	1		P1-554 P4-F8					.15 .19	NO NO		7, 9 4	
A 349	1		P1-555 P4-G1					.15 .19	NO NO		7, 9 4	
A 350	1		P1-556 P4-G2					.15 .19	NO NO		7, 9 4	
A 351	1		P1-557 P4-G3					.15 .19	NO NO		7, 9 4	
A 352	1		P1-558 P4-G4					.15 .19	NO NO		7, 9 4	
A 353	1		P1-559 P4-G5					.15 .19	NO NO		7, 9 4	
A 354	1		P1-560 P4-G6					.15 .19	NO NO		7, 9 4	

SIZE	CODE IDENT NO.	
A	99974	2901090
SCALE-NONE	REV LTR AE	SHEET 33 OF 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1		P1-F5					.15	NO		7, 9	
			P2-J5					.19	NO		4	
A 66	1		P1-F6					.15	NO		7, 9	
			P2-J6					.19	NO		4	
A 67	1		P1-F7					.15	NO		7, 9	
			P2-J7					.19	NO		4	
A 68	1		P1-F8					.15	NO		7, 9	
			P2-J8					.19	NO		4	
A 69	1		P1-F9					.15	NO		7, 9	
			P2-K1					.19	NO		4	
A 70	1		P1-F10					.15	NO		7, 9	
			P2-K2					.19	NO		4	
A 71	1		P1-F11					.15	NO		7, 9	
			P2-K3					.19	NO		4	
A 72	1		P1-F12					.15	NO		7, 9	
			P2-K6					.19	NO		4	
A 73	1		P1-F13					.15	NO		7, 9	
			P2-K7					.19	NO		4	
A 74	1		P1-F14					.15	NO		7, 9	
			P2-K8					.19	NO		4	
A 75	1		P1-F15					.15	NO		7, 9	
			P2-L1					.19	NO		4	
A 76	1		P1-G1					.15	NO		7, 9	
			P2-L2					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901093
SCALE-NONE	REV LTR D	SHEET 10 OF 15

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	1		P1-G2					.15	NO		7, 9	
			P2-L7					.19	NO		4	
A 78	1		P1-G3					.15	NO		7, 9	
			P2-L8					.19	NO		4	
A 79	1		P1-G4					.15	NO		7, 9	
			P2-M1					.19	NO		4	
A 80	1		P1-G5					.15	NO		7, 9	
			P2-M2					.19	NO		4	
A 81	1		P1-G6					.15	NO		7, 9	
			P2-M3					.19	NO		4	
A 82	1		P1-G7					.15	NO		7, 9	
			P2-M6					.19	NO		4	
A 83	1		P1-G8					.15	NO		7, 9	
			P2-M7					.19	NO		4	
A 84	1		P1-G9					.15	NO		7, 9	
			P2-M8					.19	NO		4	
A 85	1		P1-G10					.15	NO		7, 9	
			P2-N1					.19	NO		4	
A 86	1		P1-G11					.15	NO		7, 9	
			P2-N2					.19	NO		4	
A 87	1		P1-G12					.15	NO		7, 9	
			P2-N3					.19	NO		4	
A 88	1		P1-G13					.15	NO		7, 9	
			P2-N4					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901093
SCALE-NONE	REV LTR D	SHEET 11 OF 15

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	1		P1-G14					.15	NO		7, 9	
			P2-N5					.19	NO		4	
A 90	1		P1-G15					.15	NO		7, 9	
			P2-N6					.19	NO		4	
A 91	1		P1-H1					.15	NO		7, 9	
			P2-N7					.19	NO		4	
A 92	1		P1-H2					.15	NO		7, 9	
			P2-N8					.19	NO		4	
A 93	1		P1-H3					.15	NO		7, 9	
			P2-P1					.19	NO		4	
A 94	1		P1-H4					.15	NO		7, 9	
			P2-P2					.19	NO		4	
A 95	1		P1-H5					.15	NO		7, 9	
			P2-P3					.19	NO		4	
A 96	1		P1-H6					.15	NO		7, 9	
			P2-P4					.19	NO		4	
A 97	1		P1-H7					.15	NO		7, 9	
			P2-P5					.19	NO		4	
A 98	1		P1-H8					.15	NO		7, 9	
			P2-P6					.19	NO		4	
A 99	1		P1-H9					.15	NO		7, 9	
			P2-P7					.19	NO		4	
A 100	1		P1-H10					.15	NO		7, 9	
			P2-P8					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901093
SCALE-NONE	REV LTR D	SHEET 12 OF 15

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 101	1		P1-H11					.15	NO		7, 9	
			P2-R1					.19	NO		4	
A 102	1		P1-H12					.15	NO		7, 9	
			P2-R2					.19	NO		4	
A 103	1		P1-H13					.15	NO		7, 9	
			P2-R3					.19	NO		4	
A 104	1		P1-H14					.15	NO		7, 9	
			P2-R4					.19	NO		4	
A 105	1		P1-H15					.15	NO		7, 9	
			P2-R5					.19	NO		4	
A 108	1		P1-K3					.15	NO		7, 9	
			P2-R8					.19	NO		4	
A 109	1		P1-K4					.15	NO		7, 9	
			P2-S1					.19	NO		4	
A 110	1		P1-K5					.15	NO		7, 9	
			P2-S2					.19	NO		4	
A 111	1		P1-K6					.15	NO		7, 9	
			P2-S3					.19	NO		4	
A 112	1		P1-K7					.15	NO		7, 9	
			P2-S4					.19	NO		4	
A 113	1		P1-K8					.15	NO		7, 9	
			P2-S5					.19	NO		4	
A 114	1		P1-K9					.15	NO		7, 9	
			P2-S6					.19	NO		4	

SIZE	CODE IDENT NO.	
A	99974	2901093
SCALE-NONE	REV LTR D	SHEET 13 OF 15

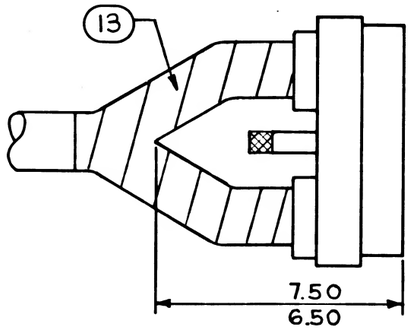
MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 115	1		P1-K10					.15	NO		7, 9	
			P2-S7					.19	NO		4	
A 116	1		P1-K11					.15	NO		7, 9	
			P2-S8					.19	NO		4	
A 117	1		P1-K12					.15	NO		7, 9	
			P2-T1					.19	NO		4	
A 118	1		P1-K13					.15	NO		7, 9	
			P2-T2					.19	NO		4	

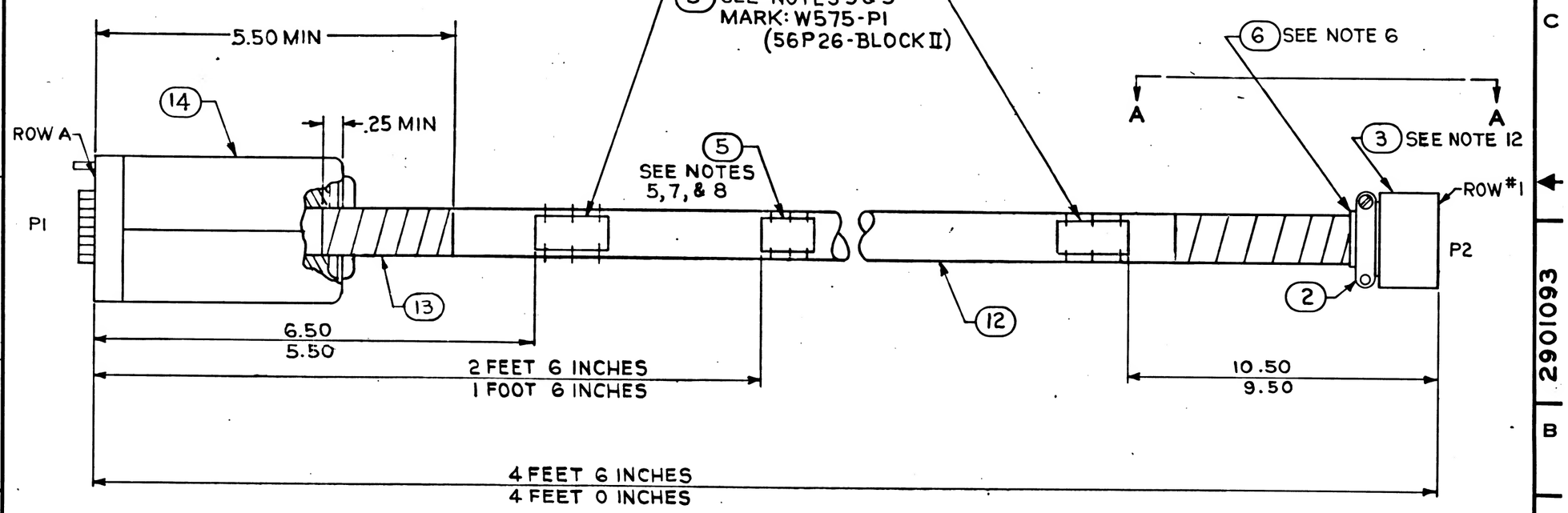
SIZE	CODE IDENT NO.	
A	99974	2901093
SCALE-NONE	REV LTR D	SHEET 14 OF 15

MIL 2084 9-85

REVISIONS TOR 2604					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REV. RECORD			



PARTIAL VIEW **A-A**

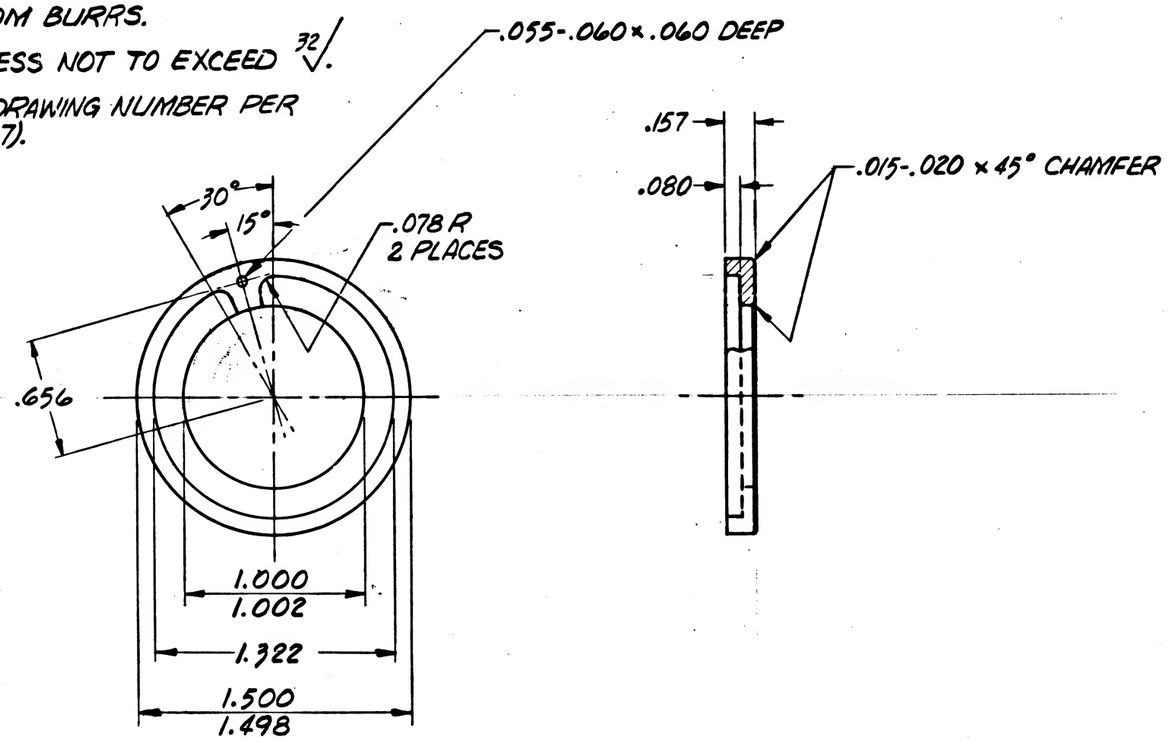


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
	DRAWN Jamouriale DATE 5-JAN-66	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W575	
	CHECKED J.C. Lima 25 FEB 66		
	APPROVAL C. Gelman 5/3/66		
DO NOT SCALE THIS DRAWING	CONTRACT NAS 9-497		
MATERIAL	NASA APPROVAL	SIZE C / CODE IDENT NO. 99974 / 2901093	
APPROVAL	MIT APPROVAL M.C. Hodges 5-10-66	SCALE NONE	SHEET 15 OF 15

MIL-1083D D

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-225/8 TEMPER T6 (ALUM ALY 6061-T6, ES 2106).
3. FINISH: MIL-C-5541 (CHEMICAL FILM, ES 591).
4. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS TO BE .005 TO .015 R OR CHAMFER.
5. MUST BE FREE FROM BURRS.
6. SURFACE ROUGHNESS NOT TO EXCEED 32 √.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).



REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR - 26103		21 JAN 66	EH

2901095	2900708-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± .005
ANGLES ± 2°

DO NOT SCALE THIS DRAWING

MATERIAL: SEE NOTE 2

APPROVAL: [illegible] 2 JAN 66

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN: [illegible] DATE 6 JAN 66
CHECKED: Ed Foster 12 JAN 66
APPROVAL: [illegible] 7 JAN 66
CONTRACT: NAS 9-497
A. C. METZGER
NASA APPROVAL
MIT APPROVAL: [illegible] 8 FEB 66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

STOP, DIAL

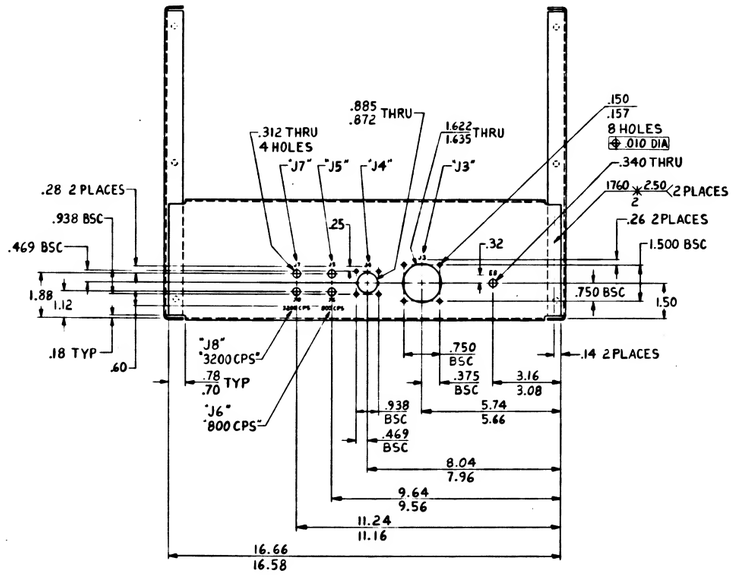
SIZE	CODE IDENT NO.	
C	99974	2901094

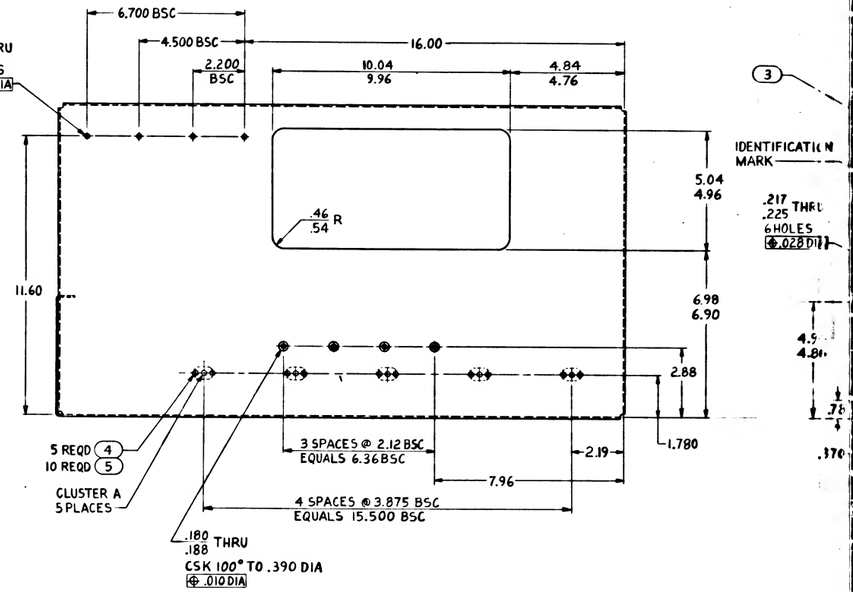
SCALE 2/1 SHEET 1 OF 1

MIL-10B2D D

NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-S-698, 1008 CRCQ, #2 LUSTER
3. FINISH: QQ-P-416A, TYPE I, CLASS I
4. ALL INSIDE BEND RADII .06.
5. MUST BE FREE FROM BURRS AND SHARP EDGES.
6. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
8. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
9. UNLESS OTHERWISE SPECIFIED:
   A. MARK CHARACTERS PER ND1002019, .12 HIGH. CENTRALIZE AS SHOWN BOTH SIDES.





2901096 REV LTR B SH 1 OF 1

MIL 1077 J

1 42901096

REVISIONS						
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC-210030		6 MAR 66	B JAC
B		INITIAL RELEASE CLASS A PER TDRR 29657		3 MAY 66	B JAC
C		REVISED PER TDRR-29617		14 JUN 66	B JAC
D		REVISED PER TDRR 30211		20 JUL 66	B JAC

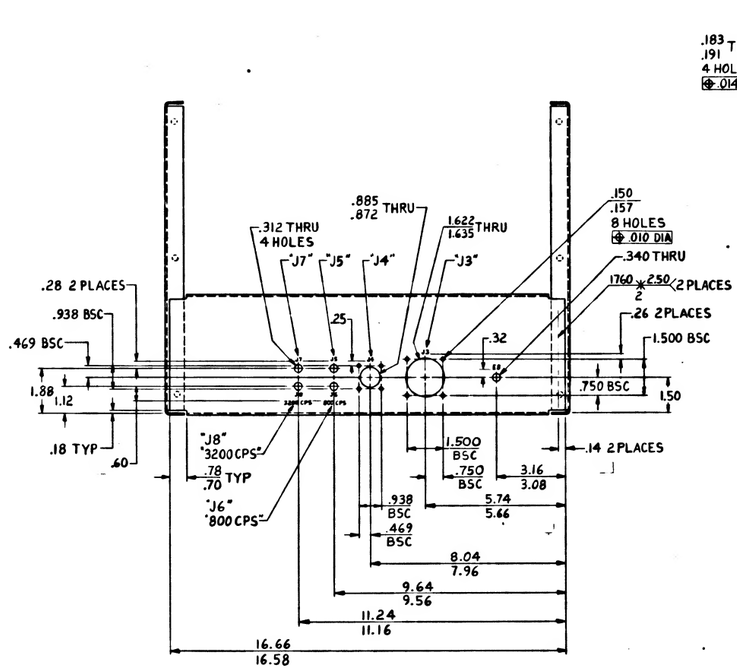
183 THRU
181
4 HOLES
Ø .201 DIA

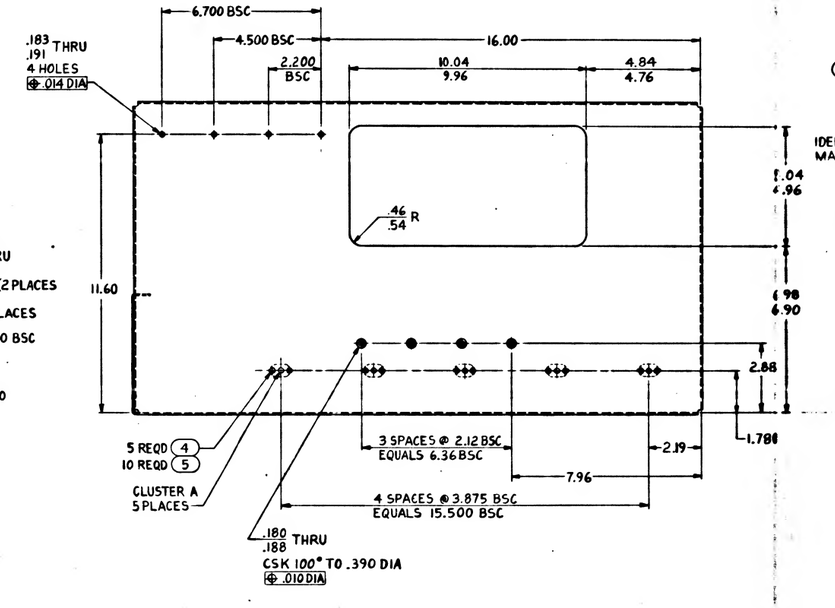
CLUSTER A
SCALE 2/1

27/29 01 1096

NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-S-698, 1008 CRCQ, #2 LUSTER
3. FINISH: QQ-P-416A, TYPE I, CLASS I
4. ALL INSIDE BEND RADII .06.
5. MUST BE FREE FROM BURRS AND SHARP EDGES.
6. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
8. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
9. UNLESS OTHERWISE SPECIFIED:
   A. MARK CHARACTERS PER ND1002019, .12 HIGH. CENTRALIZE AS SHOWN BOTH SIDES.





3

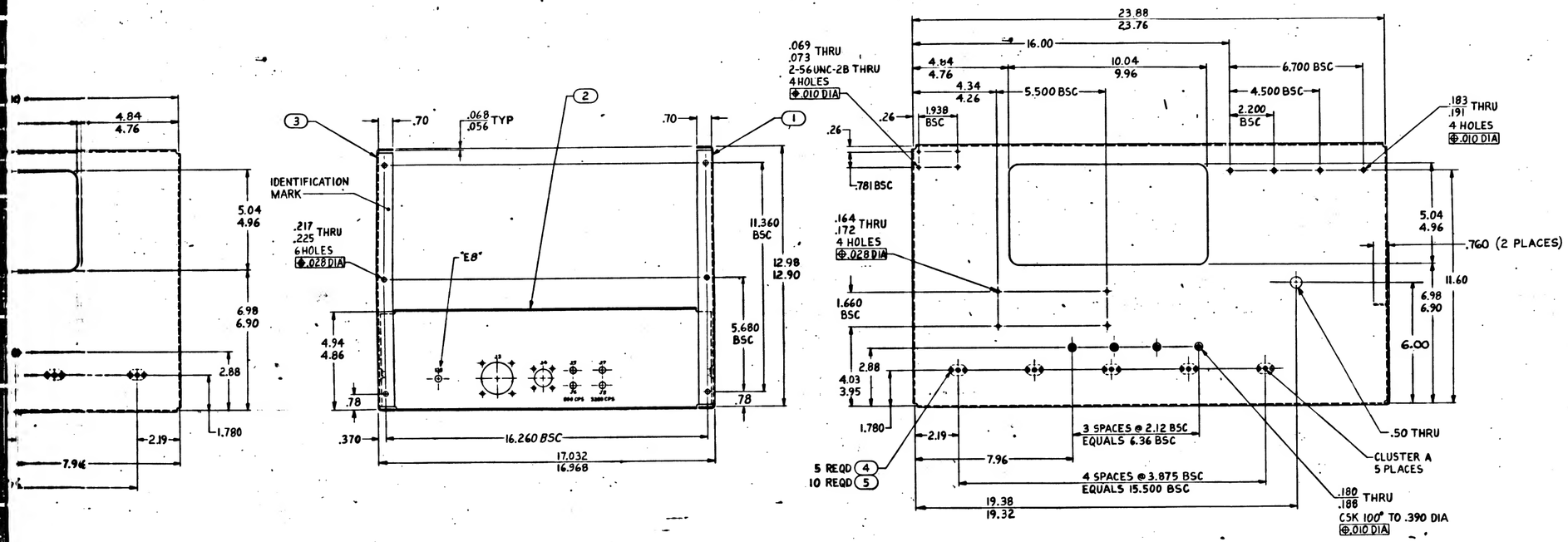
IDENTIFICATION MARK

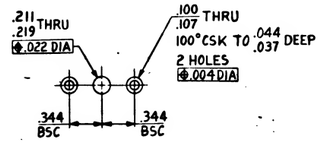
.217
.225 THRU
6 HOLES
.028 DIA

2901096 REV LTR D SHT 1 OF

11/29/01 09:06

REVISIONS						
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC-210030		16 MAR 64	JAC
B		INITIAL RELEASE CLASS A PER TDRR 29657		3 MAY -66	
C		REVISED PER TDRR 29417		14 JUN 66	
D		REVISED PER TDRR 30211		26 JUL 66	JAC
E		REVISED PER TDRR 30803		20 DEC 66	





CLUSTER A
SCALE 2/1

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
5	20	AN124971	RIVET, 100° FLAT HD
SEE NOTE 8 4	10	1015798-010	NUT, ANCHOR-FLOATING
3	1	2901096-003	PANEL, LH
2	1	2901096-002	PANEL, BACK
1	1	2901096-001	PANEL, RH

LIST OF PARTS AND MATERIALS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE ±.02 3 PLACE DECIMALS ±.010 ANGLES ±1°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
FINISH
NEXT ASSY | USED ON
APPLICATION

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN J Kuster 14 FEB 64
CHECKED 16 Feb 64
APPROVAL 21 Feb 64
CONTRACT NAS 9-187
PROJ APPROVAL
SET APPROVAL 21 Feb 64

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

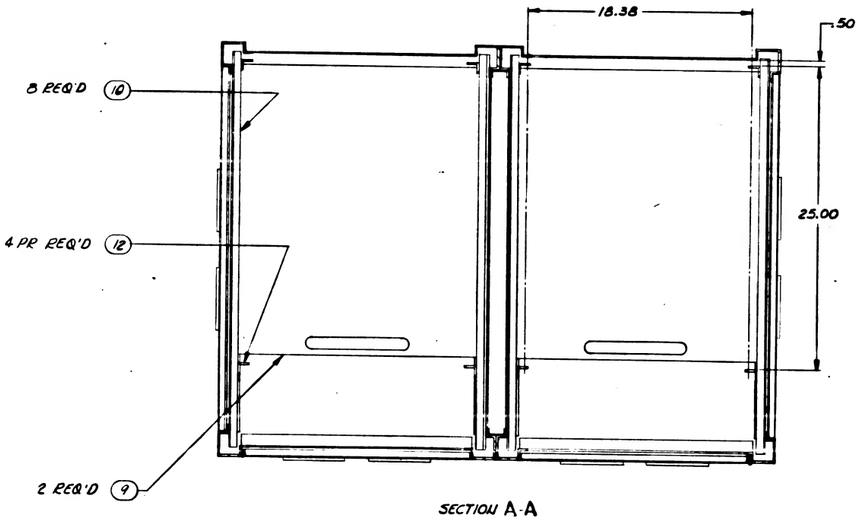
CHASSIS, ELECTRICAL EQUIPMENT (INSEPARABLE ASSEMBLY)

SIZE J | CODE IDENT NO. 99974 | 2901096
SCALE 1/2 | SHEET 1 OF 1

2901096 REV LTR E SH 1 OF 1

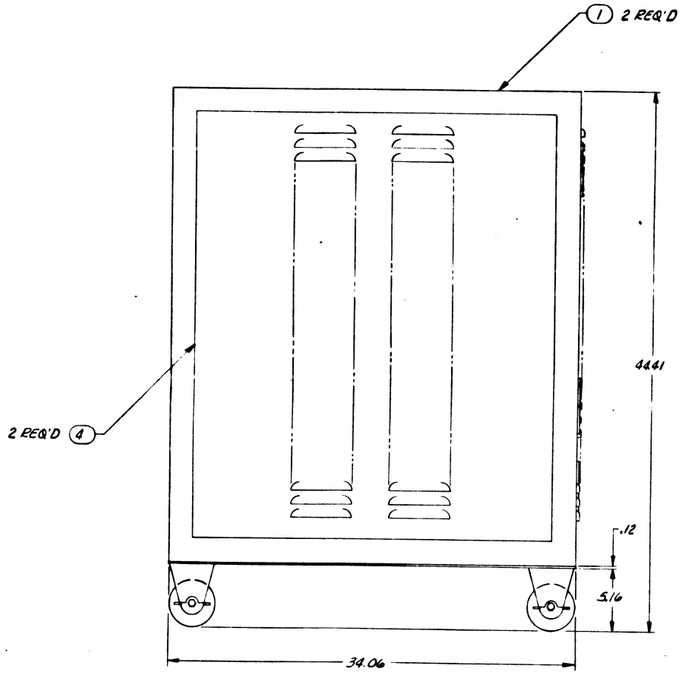
2-2-2901096

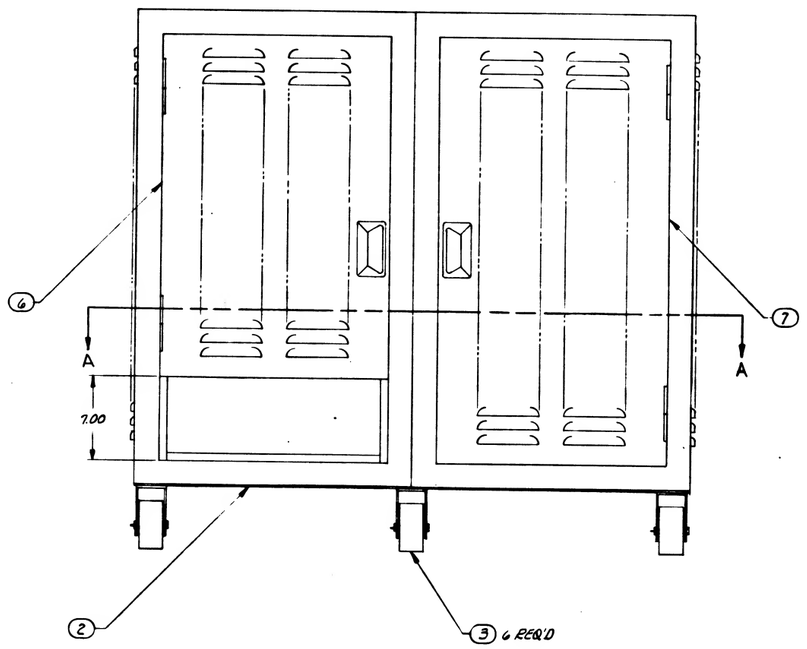
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC-208607	—	21 JAN 66	
B		REVISED PER MXC-208725	—	2 FEB 66	
C		INITIAL RELEASE CLASS A PER TORR 2-6-23		4 MAY 66	



SECTION A-A

(5) 2 REQ'D





ITEM NO	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
14	24	AHWX-092-003219	CLIP NUT #10-32
13	AR	TT-E-529, CLASS B	ENAMEL, DARK GREY, COLOR 26251, FED-STD-595
12	4 PR	PMA-35A	ANGLE, MOUNTING
11	6 PR	HW-99	CLIPS, JOINING
10	8	STRH-30	STRUT
9	2	SH-25A	SHELF, EQUIPMENT
8	2	RSA-33-650976-1	SHELF, RETRACTABLE
7	1	DD-35C-LV-RH	DOOR, REAR, FLUSH, LOUVERED, R.H.
6	1	DD-28C-650976-LH	DOOR, REAR, FLUSH, LOUVERED, L.H.
5	2	PUH-1930	PANEL, TOP, FLUSH
4	2	PN-35LV-30	PANEL, SIDE, FLUSH, LOUVERED
3	6	HW-101	CASTER, SWIVEL W/LOCK
2	1	CP-650976	CASTER PLATE
1	2	FRH-21-3019	FRAME, ENCLOSURE

LIST OF PARTS AND MATERIALS

2901108-011 NEXT ASSY	2900898-011 USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ± — ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-897

AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS

MANNED SPACECRAFT CENTER HOUSTON TEXAS

DRAWN D. Hayden 6 MAY 66

CHECKED R. Jones 11 MAY 66

APPROVAL R. Jones 11 MAY 66

APPROVAL J. Johnson 5/17/66

NASA APPROVAL J. Thomas 5/17/66

MIT APPROVAL A. C. Hurley 5-17-66

CABINET, CALIBRATION AND TEST ASSEMBLY, SCM/PSARM

SOURCE CONTROL DRAWING

CODE IDENT NO 99974 | SIZE J₂ | 2901107

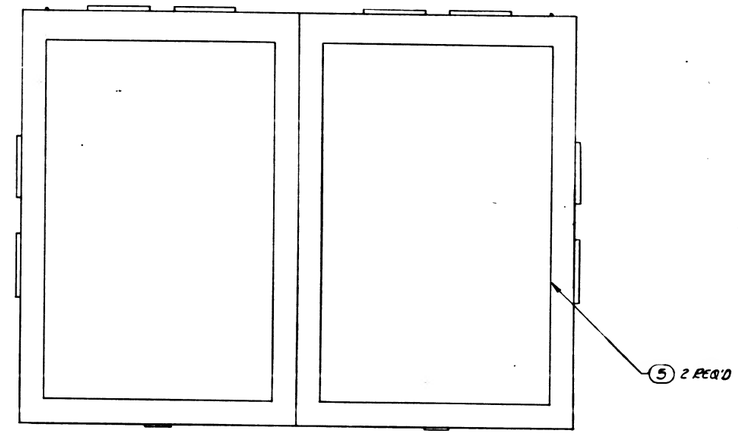
SCALE 1:4 | SHEET 1 OF 1

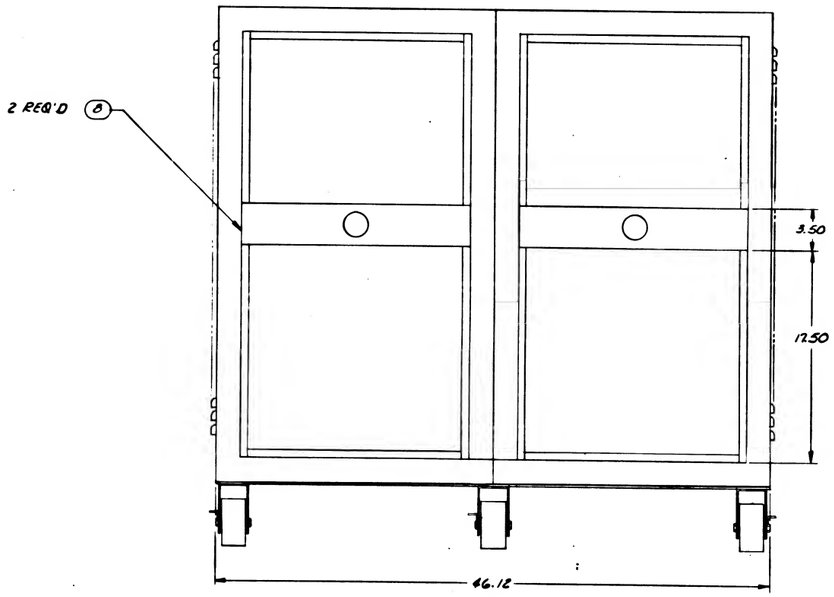
2901107 | SHT 1

2901107

2901107

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. FINISH: TWO COATS OF ITEM (13).
3. ASSEMBLE CABINET COMPLETE
4. SHIP ITEMS (2), (3), (11), (14) AND THEIR RESPECTIVE HARDWARE LOOSE.
5. ALL DIMENSIONS ARE FOR REFERENCE ONLY.
6. SOURCE OF SUPPLY:
   INGERSOL PRODUKTS (85005)
   DIVISION OF BORG WARNER CORPORATION
   1000 WEST 120 TH STREET
   CHICAGO 43, ILLINOIS





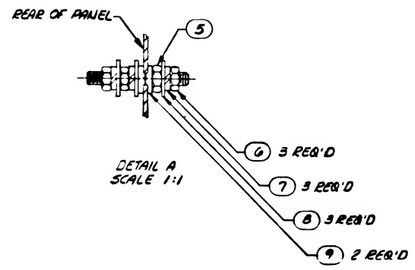


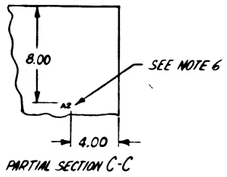
2901107 REV SHT 1

17290107

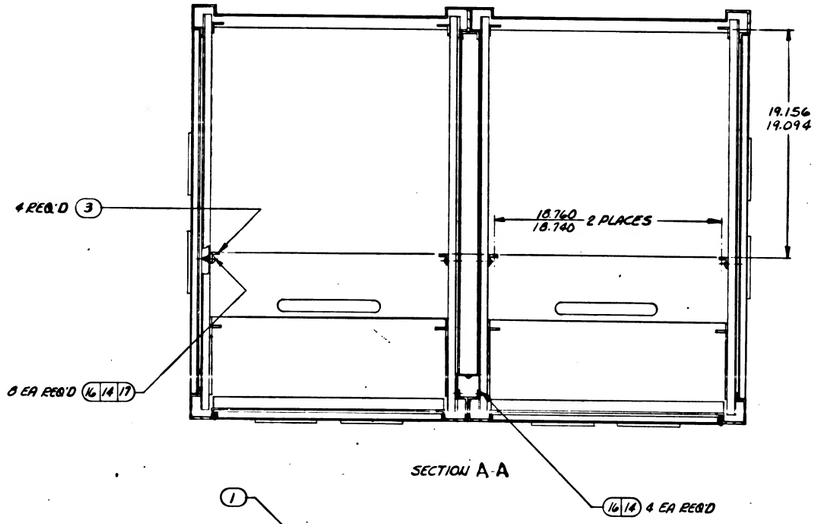
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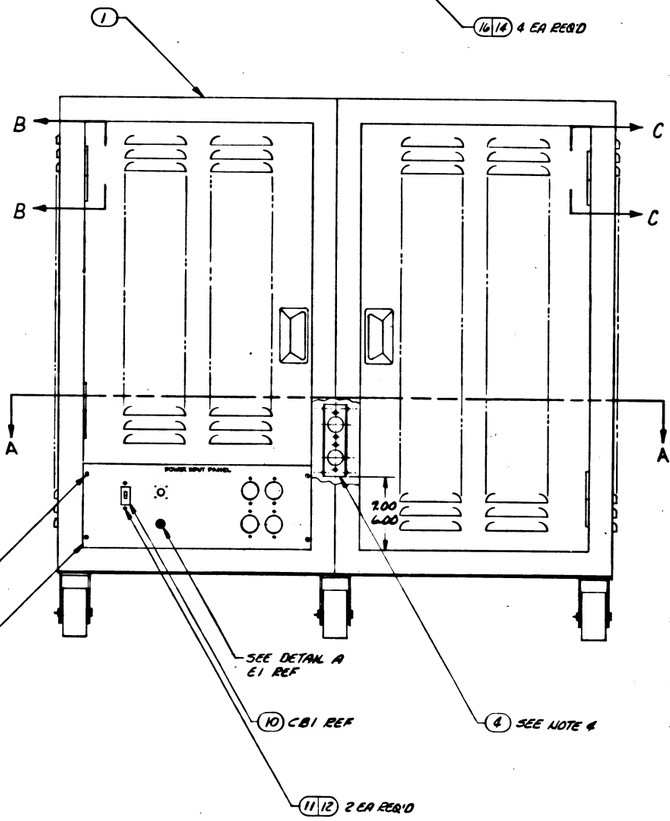
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MIC 11138		12 JAN 66	
B		INITIAL RELEASE CLASS A PER TDRR 2-26-73		12 MAY 66	

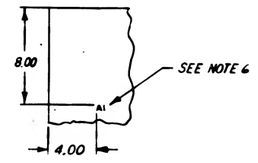




PARTIAL SECTION C-C







PARTIAL SECTION B-B

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. ASSEMBLE CASTERS TO CASTER PLATE WITH HARDWARE SUPPLIED BY VENDOR.

   ASSEMBLE CABINETS ON CASTER PLATE WITH HARDWARE SUPPLIED BY VENDOR.

   JOIN CABINETS USING JOINING CLIPS SUPPLIED BY VENDOR AS FOLLOWS:
   TWO EACH TO FRONT AND REAR EQUALLY SPACED WITH HARDWARE SUPPLIED BY VENDOR.

   TWO TO TOP EQUALLY SPACED WITH HARDWARE SUPPLIED BY VENDOR.
3. VENDOR ITEM: SEE SPECIFICATION OR SOURCE CONTROL DRAWING.
4. ASSEMBLE ITEMS (2) & (1) USING HARDWARE SUPPLIED WITH DRAWING 2901107 (ITEM (14) REF)
5. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).
6. MARK CHARACTERS PER ND1002019 .38 HIGH COLOR BLACK. CENTRALIZE AS SHOWN.

QTY	EFFEC-TIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
8		17	1016151-010	NUT, SELF-LOCKING
12		16	MS35217-71	SCREW, MACHINE, PAN HD
4		15	MS35338-81	WASHER, LOCK
16		14	AN960-C10L	(1897006-019) WASHER, FLAT
4		13	1006783-44	SCREW, BUTTON HD, HEX SOC
2		12	1006997	WASHER, FLAT
2		11	1006783-21	SCREW, BUTTON HD, HEX SOC
1		10	1016002-52	CIRCUIT BREAKER
2		9	2900188-003	WASHER, SHOULDERED
3		8	MS15795-811	WASHER, FLAT
3		7	MS35338-82	WASHER, LOCK
3		6	MS20941-6165	(1897041-305) NUT, HEX
1		5	1902370	STUD, SHOULDERED
1		4	2901169	BRACKET, ELEC CONN (INSEP ASSY)
4		3	2901150	ANGLE, BRACKET
1		2	2901117	PANEL, REAR INPUT
1		1	2901107	CABINET, CALIBRATION & TEST ASSY

SEE NOTE 3 (8)
SEE NOTE 3 (4)
SEE NOTE 3 (3)
SEE NOTE 3 (1)

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900845-011	2900845-011	-011

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: FRACTIONS ± — DECIMALS ± — ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-697

AC ELECTRONICS DIVISION, GENERAL MOTORS CORP, MILWAUKEE WIS

DRAWING [signature] DATE 12 JAN 66

CHECKED [signature] 9 FEB 66

APPROVAL [signature] 9 FEB 66

APPROVAL [signature] 12 JAN 66

NASA APPROVAL [signature]

MIT APPROVAL [signature]

LIST OF PARTS AND MATERIALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

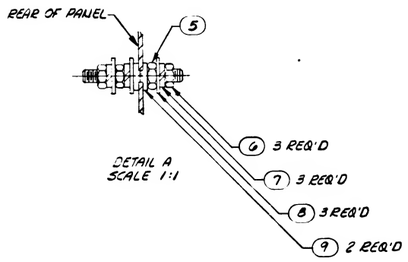
CABINET ASSEMBLY SCM/PSAAM

CODE IDENT NO 99974 | SIZE E | 2901108

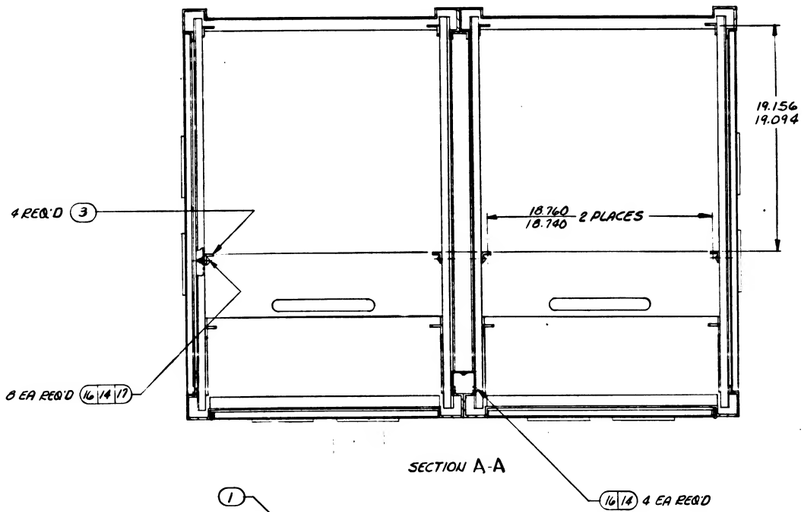
SCALE 1:4 | SHEET 1 OF 1

2901108 B

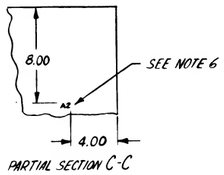
REVISIONS						
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MIC 21138		4 APR 66	LCF
B		INITIAL RELEASE CLASS A PER TDRR 2K673		6 APR 66	LCF
C		REVISED PER TDRR 25785		27 JUN 66	RWH



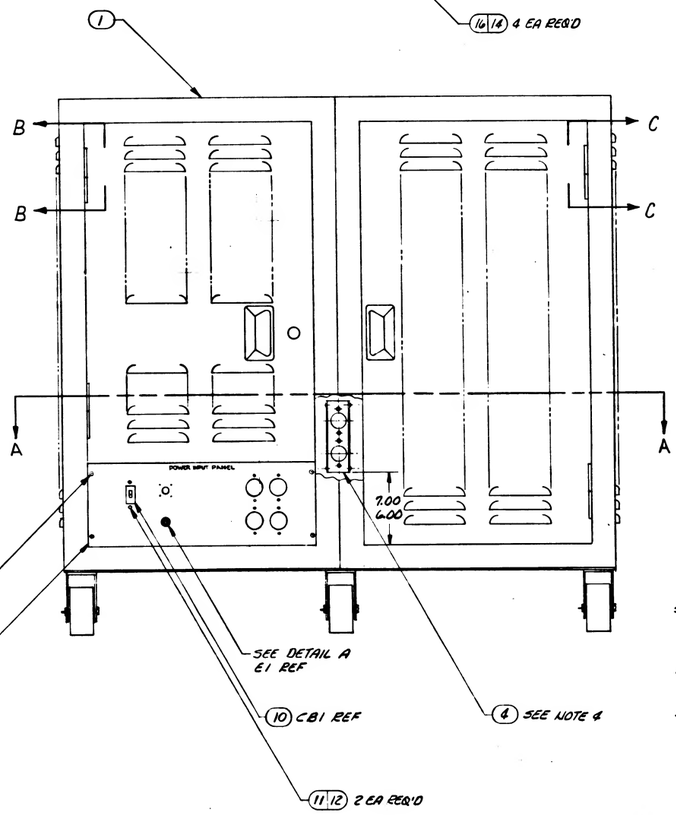
DETAIL A
SCALE 1:1

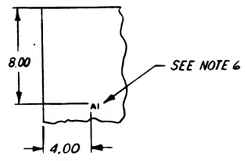


SECTION A-A



PARTIAL SECTION C-C





PARTIAL SECTION B-B

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. ASSEMBLE CASTERS TO CASTER PLATE WITH HARDWARE SUPPLIED BY VENDOR.

   ASSEMBLE CABINETS ON CASTER PLATE WITH HARDWARE SUPPLIED BY VENDOR.

   JOIN CABINETS USING JOINING CLIPS SUPPLIED BY VENDOR AS FOLLOWS:
   TWO EACH TO FRONT AND REAR EQUALLY SPACED WITH HARDWARE SUPPLIED BY VENDOR.

   TWO TO TOP EQUALLY SPACED WITH HARDWARE SUPPLIED BY VENDOR.
3. VENDOR ITEM: SEE SPECIFICATION OR SOURCE CONTROL DRAWING.
4. ASSEMBLE ITEMS (2) & (4) USING HARDWARE SUPPLIED WITH DRAWING 2901107 (ITEM (14) REF)
5. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).
6. MARK CHARACTERS PER ND1002019 .38 HIGH COLOR BLACK. CENTRALIZE AS SHOWN.

QTY REQUIRED	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
8		17	1016151-010	NUT, SELF-LOCKING
12		16	MS35217-71	SCREW, MACHINE, PAN HD
4		15	MS35338-81	WASHER, LOCK
16		14	AN960-C10L	(1897006-019) WASHER, FLAT
4		13	1006783-44	SCREW, BUTTON HD, HEX SOC
2		12	1006997	WASHER FLAT
2		11	1006783-21	SCREW, BUTTON HD, HEX SOC
1		10	1016002-52	CIRCUIT BREAKER
2		9	2900188-008	WASHER, SHOULDERED
3		8	MS15795-811	WASHER, FLAT
3		7	MS35338-82	WASHER, LOCK
3		6	MS20341-6165	(1897061-305) NUT, HEX
1		5	1902370	STUD, SHOULDERED
1		4	2901149	BRACKET, ELEC CONN (LESS) ASSY
4		3	2901150	ANGLE, BRACKET
1		2	2901117	PANEL, REAR (OUT)
1		1	2901107	CABINET, CALIBRATION & TEST ASSY

SEE NOTE 3
SEE NOTE 3
SEE NOTE 3
SEE NOTE 3

LIST OF PARTS AND MATERIALS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900895-011	2900895-011	-011

APPLICATION
THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN R. J. Flader 18 JAN 66
CHECKED Taylor 9 FEB 66
APPROVAL R. Jarmin 9 FEB 66
APPROVAL Gathman 1/31/66
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER HOUSTON TEXAS

CABINET ASSEMBLY SCM/PSAAM

CODE IDENT NO 99974 | SIZE E | 2901108

SCALE 1:4 | SHEET 1 OF 1

2901108 C

Saa1108

GENERAL NOTES

NOTES:

1. SHIELD TERMINATION FIGURES ARE PER -
   A - ND 1002071
   B - ND 1002032
2. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
3. APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B
4. APPLY LEAD IDENTIFICATION TO SLEEVES OF ALL MULTI-LEADS PER ND 1002019.
5. MARK ITEM 11 .12 INCH HIGH, COLOR BLACK PER ND 1002019; 2901102, 2901103, 2901104, AND 2901105 RESPECTIVELY. CENTRALIZE.
6. VENDOR ITEM- SEE SPECIFICATION CONTROL DRAWING

SIZE	CODE IDENT NO.	
A	99974	2901109
SCALE-NONE	REV LTR * A	SHEET 2 OF 5

MIL 2084 9-65

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2901109-001	WIRE, ND 1002181, TYPE 1, CLASS 1, 24 AWG, WHT 13'6" TOT. LG.
	2	1	2901109-002	WIRE, ND 1002181, TYPE 1, CLASS 1, 20 AWG, WHT 14'6" TOT. LG.
	3	1	2901109-003	WIRE, ND 1002181, TYPE 1, CLASS 1, 22 AWG, WHT 16' TOT. LG.
	4	1	2901109-004	WIRE ND 1002181, TYPE 2, CLASS 4, WHT JKT, 22 AWG (WHT/BLU, WHT/RED) 6'4" TOTAL LGTH.
	5	1	2901109-005	WIRE ND 1002181, TYPE 2, CLASS 4, WHT JKT, 20 AWG (WHT/BLU, WHT/RED) 16'6" TOT. LGTH.
	6	1	2901109-006	WIRE, ND 1002181, TYPE 1, CLASS 4, WHT JKT, 22 AWG WHT 18' TOT.LG.
6	7	3	1010490-226	INSULATION SLEEVING, HT. SHRINK
6	8	1	1010490-228	INSULATION SLEEVING, HT. SHRINK
6	9	3	1010490-232	INSULATION SLEEVING, HT. SHRINK
	10	1	2901109-007	WIRE, ND 1002181, TYPE 1, CLASS 1, 16 AWG WHT 25'6" TOT. LG.
6	11	4	1016128-011	BAND IDENTIFICATION - BLANK

SIZE	CODE IDENT NO.	
A	99974	2901109
SCALE-NONE	REV LTR * A	SHEET 3 OF 5

MIL 2084 9-65

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE CLASS A PER TDRR 26070		J.H.P

APPLICATION	
NEXT ASSY	USED ON
8102171	8102159

REV	A	A	A	A
SHEET	1	2	3	4	5
REV STATUS					
OF SHEETS					

Checked 12 Jan 66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R.Kelley 8 JAN 66
CHECKED Ed Foster 12 JAN 66
APPROVAL A. Priem 12-JAN-66
APPROVAL J. Milkerson

NASA APPROVAL A.G. MITCHER
MIT APPROVAL W.F. Cuttyhelde

CONTRACT NAS 9-497

LEAD SET - ELECTRICAL RETROFIT KIT FOR GSE DISTRIBUTION BOX

CODE IDENT NO.	SIZE	
99974	A	2901109

REV A

SHEET 1 OF 5

SCALE —

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	3	66.00										
C 294	1	12.00										
C 295	1	12.00										
C 296	1	12.00										
C 297	1	12.00										
C 298	2	6.00										
D 398	6	60.00			3.80	3.50				B,7	9	
D 423	2	72.00										
D 567	5	84.00			3.80	3.50				B,7	7	
D 569	5	54.00			3.80	3.50				B,7	7	
D 774	3	66.00										
D 775	1	54.00										
D 776	1	60.00										
D 777	6	72.00			3.80	3.50				B,7	9	
D 777A	3	24.00										
D 778	6	84.00			3.80	3.50				B,7	9	
D778B	3	36.00										

SIZE	CODE IDENT NO.	
A	99974	2901109
SCALE-NONE	REV LTR * A	SHEET 4 OF 5

MIL 2084 9-65

LEAD v SET 2901109

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 779	5	60.00			3.80	3.50				B,7	7	
D 780	4	78.00			3.80	3.50				B,7	8	
D 781	10	18.00										
D 782	10	72.00										
D 783	10	108.00										
D 784	10	108.00										
D 785	2	96.00										

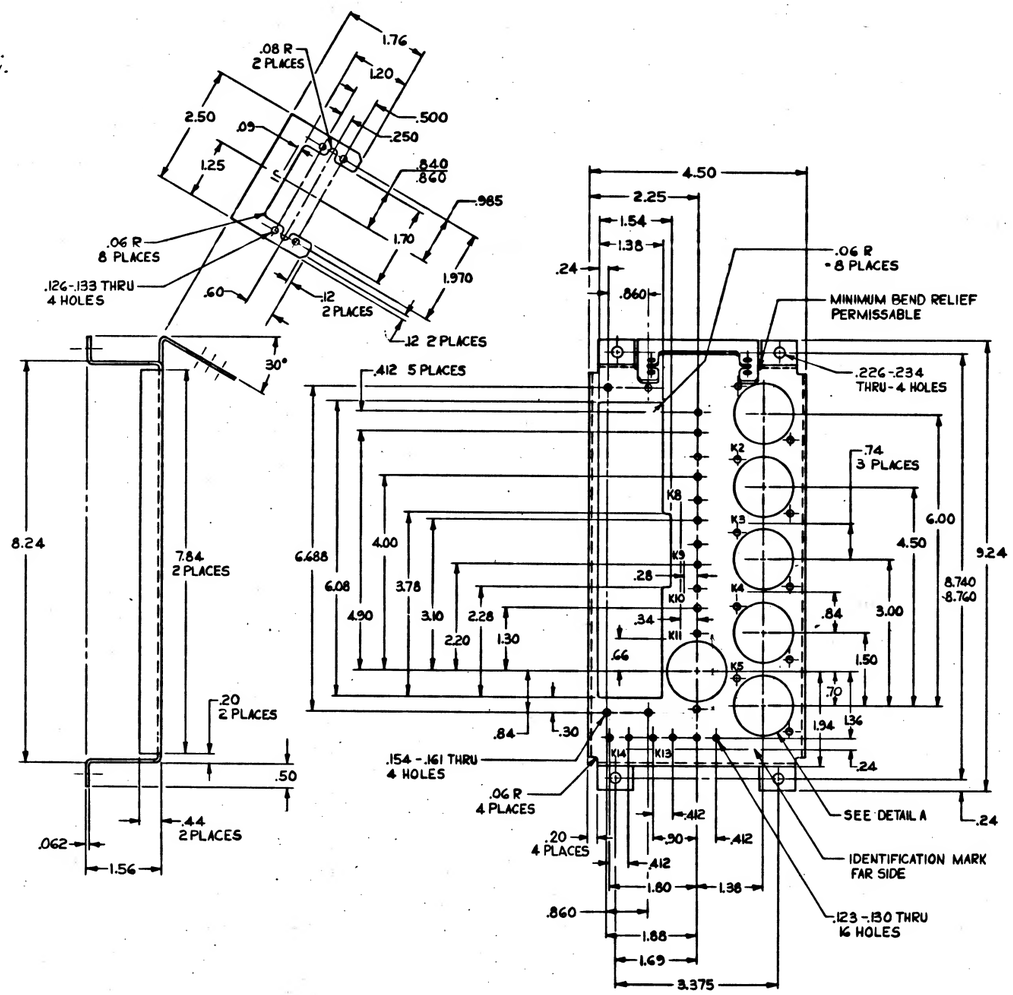
SIZE	CODE IDENT NO.	
A	99974	2901109

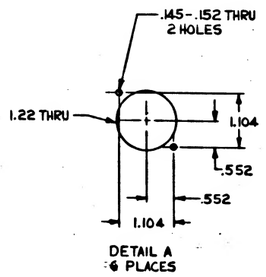
SCALE-NONE | REV LTR * A | SHEET 5 OF 5

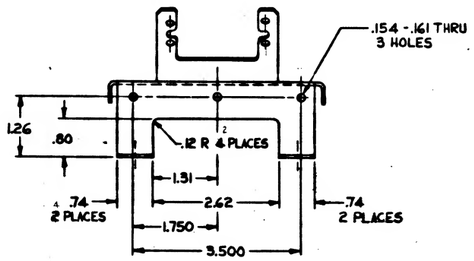
MIL 2004 9-68

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. UNLESS OTHERWISE SPECIFIED:
   a. MUST BE FREE FROM BURRS AND SHARP EDGES.
   b. ALL INSIDE BEND RADII TO BE .06 .
3. MATERIAL: QQ-A-250/8 TEMPER H-32 (ES2105 AL ALY 5052, H32)
4. FINISH: MIL-C-5541 (ES591 CHEMICAL TREATMENT)
5. MARK CHARACTERS PER ND1002019 .12 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
7. SURFACE ROUGHNESS TO BE AS ROLLED OR DRAWN. PUNCHED, CUT OR MACHINED SURFACES TO BE 125/.







REVISIONS					
SYM	ZONE	DESCRIPTION	CHG. NO.	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 27624		2 SEP 66	J.M.P.

2900141-021	2900031-021	
NEXT ASSY	USED ON	
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± —, DECIMALS ± .02, ANGLES ± 2°, ± .005. DO NOT SCALE THIS DRAWING

MATERIAL: SEE NOTE 3

CONTRACT NAS9-427

AC ELECTRONICS DIVISION, GENERAL MOTORS CORP, MILWAUKEE, WISC.

DRAWN J. Peterson 3 FEB 66

CHECKED

APPROVAL

APPROVAL

NASA APPROVAL

MIT APPROVAL

MANNED SPACECRAFT CENTER, HOUSTON, TEXAS

BRACKET, RELAY

CODE IDENT NO 99974 | SIZE E | 2901115

SCALE 1/1 | SHEET 1 OF 1

2901105 A

2901115 B

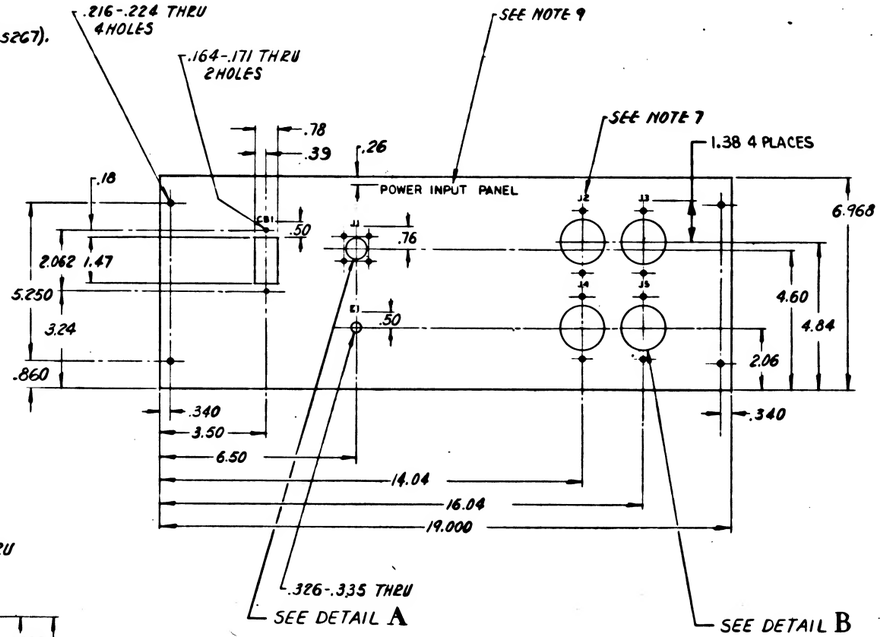
2901115 C

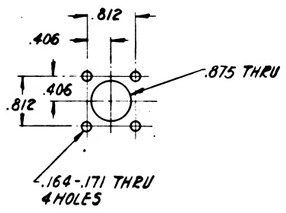
8 | 7 | 6 | 5 | 4 | 3 | 8 | 2911117 | 2 | 1

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 209485		3 MAR 66	ZP / RWH
B		INITIAL RELEASE CLASS A PER TDRR 2-6673		4 MAY 66	B. / EF

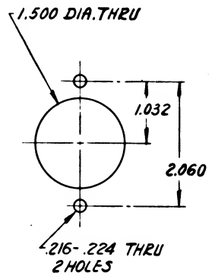
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: .090 THICK STEEL PER QQ-S-698 CRCQ, NO. 2 LUSTER 1009-1015.
3. FINISH: APPLY FINISH P513 OF MIL-F-14072 TO FRONT & EDGES OF PANEL, APPLY MIL-P-8585 PRIMER & TWO COATS OF TT-E-529 CLASS B SEMI-GLOSS ENAMEL, LIGHT GRAY COLOR 26440 OF FED-STD-595.
4. MUST BE FREE FROM BURRS & SHARP EDGES.
5. ALL CORNERS TO BE .005 TO .015 R. OR CHAMFER.
6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130(ES2G7).
7. MARK CHARACTERS PER ND1002019 .12 HIGH, COLOR BLACK, CENTERALIZE AS SHOWN NEAR & FAR SIDE.
8. SURFACE ROUGHNESS MUST NOT EXCEED 125/.
9. MARKING: SILK SCREEN CHARACTERS PER ND1002112, .32 HIGH UNLESS OTHERWISE SPECIFIED USING SEMI-GLOSS ENAMEL PER ND1002111 COLOR INSTRUMENT BLACK NUMBER 514 OF ANA157, CHARACTER STYLE FUTURA DEMI-BOLD PER ND1002122. CENTRALIZE AS SHOWN.





DETAIL A
FULL SIZE



DETAIL B
FULL SIZE
4 PLACES

2901108-011	2900089S-01	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ±—, DECIMALS ±.005, ANGLES ±— / ±.02 — DO NOT SCALE THIS DRAWING	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
NEXT ASSY	USED ON	MATERIAL SEE NOTE 2	DRAWN 13 JAN 1966 DATE	PANEL, REAR INPUT
APPLICATION		CONTRACT NAS 9-697	CHECKED 18 JAN 66; APPROVAL 18 Jan 66; APPROVAL 18 JAN 66; NASA APPROVAL; MIT APPROVAL	CODE IDENT NO 99974 · SIZE D · 2901117 · SCALE 1:2 · SHEET 1 OF 1

MIL 10770A

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE CLASS A PER TDRR 27524	22 FEB 66	RWH / JAC

APPLICATION

NEXT ASSY	USED ON
2900712-021	2900712-021

REV	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SHEET	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42

REV STATUS OF SHEETS	REV							A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	SHEET							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Chalentin 27JAN66

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN Frank R. Waller DATE 10JAN66
CHECKED M. Manning 27 Jan 66
APPROVAL L. W. Wise 27 Jan 66
APPROVAL J. M. Watson 3-21-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL W. Kupfer 29 Feb 66
CONTRACT NAS 9-497

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED-W154

SIZE	CODE IDENT NO.		REV
A	99974	2901129	A
SCALE NONE			SHEET 1 OF 42

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019.
6	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	SECURE TO CABLE USING ITEM 28. MARKING TO READ AWAY FROM CONNECTUR
9	SERIALIZE PER ND1002023
10	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION PER TABLE I, .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 29 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
14	APPLY ITEM 22 TO LEAD END.

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE Y - WHITE WITH YELLOW TRACER.
16	SEPARATE ZIPPER TUBING AS SHOWN AND SPOT TIE USING ITEM 28
17	SPOT TIE ITEM 31 TO ITEM 8 AT 4 INCH INTERVALS USING ITEM 28.
18	ZIPPER TUBING SHALL HAVE Z TYPE TRACK.
19	CONDUCTOR A44 MUST BE ROUTED THRU BACK SHELL OF P3 CONNECTOR.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2901129-001	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, 120 FT. TOTAL LENGTH
	2	1	2901129-002	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, 232 FT. TOTAL LENGTH
	3	1	2901129-003	WIRE, ND1002181, TYPE 3, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 12 FT. TOTAL LENGTH
	4	1	2901129-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, WHT/YEL, 39 FT. TOTAL LENGTH
	5	1	2901129-005	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. 75 FT. TOTAL LENGTH
	6	1	2901129-006	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHT. 138 FT. TOTAL LENGTH
	7	1	2901129-007	WIRE, ND1002181, TYPE 1 CLASS 4, WHT. JKT., 22AWG, WHT., 4 FT. TOTAL LENGTH
18	8	1	2901129-008	ZIPPER TUBING PER ND1002155, TYPE IV, 2 CHANNEL 1.12 DIA EACH CHANNEL, 5 FT. TOTAL LENGTH
7	9	1	1897215-013	CONNECTOR PLUG, ELECT.
	10	1	2900714-011	CONNECTOR PLUG, ELECT., 300 PIN
	11	1	2900854-011	CONNECTOR PLUG, ELECT.,
7	12	129	1897300-003	CONTACT, ELECT. SPRING SOCKET
7	13	44	1016369-188	CONTACT, INNER MALE

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	14	37	1016369-288	CONTACT, OUTER MALE
7	15	37	1016369-388	CONTACT, INNER FEMALE
7	16	44	1016369-488	CONTACT, OUTER FEMALE
7	17	81	1016369-588	HYRING
7	18	44	1016369-711	INNER SLEEVE
7	19	37	1016369-712	INNER SLEEVE
7	20	81	1016369-713	OUTER SLEEVE
7	21	124	1010763- 2	SOLDER SLEEVE
7	22	AR	1016198- 1	GLYPTAL
7	23	174	1010490-228	INSULATION SLEEVING
7	24	2	1010490-232	INSULATION SLEEVING
7	25	360	1015864-232	INSULATION SLEEVING
7	26	1	1016128-011	BAND, IDENTIFICATION
7	27	4	1016128-041	BAND, IDENTIFICATION
	28	AR	MIL-T-713 B	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	29	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM T (BLACK), GRADE A, CLASS I .62 WIDE, .020 THICK
7	30	1	1897215-003	CONNECTOR PLUG, ELEC.

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 5 OF 42

MIL 2084 9-65

SEE NOTE — LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
18	31	1	2901129-009	ZIPPER TUBING PER ND1002155, TYPE I GRAY 1.25 DIA. 6 FT. TOTAL LENGTH
7	32	4	1016369-421	CONTACT, FEMALE
7	33	1	1016369-420	CONTACT, MALE
7	34	231	1897300-002	CONTACT, ELECT. SPRING SOCKET
7	35	2	1897330-001	CABLE CLAMP
7	36	2	1897331-001	ADAPTER, CABLE CLAMP
7	37	2	1016282- 24	RUBBER GROMMET
7	38	5	1016369-424	CONTACT, MALE
7	39	2	1016369-425	CONTACT, FEMALE

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 6 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	6	P1-45/O P3-A9					.23 .18	NO NO		17, 14 12	USE WITH P1-45/I
A	2	6	P1-45/I P3-B9					.22 .18	NO NO		15, 19, 20 12	
A	3	6	P1-46/O P3-C10					.23 .18	NO NO		17, 14 12	USE WITH P1-46/I
A	4	6	P1-46/I P3-C9					.22 .18	NO NO		15, 19, 20 12	
A	5	6	P1-48/O P3-C8					.23 .18	NO NO		17, 14 12	USE WITH P1-48/I
A	6	6	P1-48/I P3-D8					.22 .18	NO NO		15, 19, 20 12	
A	7	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A	7A	6	SHLD A7 P1-49/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-49/O
A	7L		P1-50/O P3-H10					.23 .18	NO NO		17, 14 12	
A	7R		P1-50/I P3-H9					.22 .18	NO NO		15, 19, 20 12	
A	8	6	8.00 P1-49/O FREE END					.23	NO		17, 14	SEE NOTE 14
A	9	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 7 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9A	6	SHLD A9 P1-2/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-2/O
A	9L		P1-1/O P3-B31					.23 .18	NO NO		17, 14 12	
A	9R		P1-1/I P3-A31					.22 .18	NO NO		15, 19, 20 12	
A	10	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A	10A	6	SHLD A10 P1-2/O					.25 .23	NO NO		17, 14	USE WITH P1-2/I
A	10L		P1-3/O P3-B32					.23 .18	NO NO		17, 14 12	
A	10R		P1-3/I P3-A32					.22 .18	NO NO		15, 19, 20 12	
A	11	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A	11A	6	SHLD A11 P1-5/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-5/O
A	11L		P1-4/O P3-B33					.23 .18	NO NO		17, 14 12	
A	11R		P1-4/I P3-A33					.22 .18	NO NO		15, 19, 20 12	
A	12	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 8 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 12A	6		SHLD A12 P1-5/O					.25 .23	NO NO		17, 14	USE WITH P1-5/I
A 12L			P1-6/O P3-B34					.23 .18	NO NO		17, 14 12	
A 12R			P1-6/I P3-A34					.22 .18	NO NO		15, 19, 20 12	
A 13	2				3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A 13A	6		SHLD A13 P1-8/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-8/O
A 13L			P1-7/O P3-B35					.23 .18	NO NO		17, 14 12	
A 13R			P1-7/I P3-A35					.22 .18	NO NO		15, 19, 20 12	
A 14	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 14A	6		SHLD A14 P1-8/O					.25 .23	NO NO		17, 14	USE WITH P1-8/I
A 14L			P1-9/O P3-B36					.23 .18	NO NO		17, 14 12	
A 14R			P1-9/I P3-A36					.22 .18	NO NO		15, 19, 20 12	
A 15	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 9 OF 42

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 15A	6		SHLD A15 P1-11/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-11/O
A 15L			P1-10/O P3-F36					.23 .18	NO NO		17, 14 12	
A 15R			P1-10/I P3-F37					.22 .18	NO NO		15, 19, 20 12	
A 16	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 16A	6		SHLD A16 P1-11/O					.25 .23	NO NO		17, 14	USE WITH P1-11/I
A 16L			P1-12/O P3-B29					.23 .18	NO NO		17, 14 12	
A 16R			P1-12/I P3-A29					.22 .18	NO NO		15, 19, 20 12	
A 17	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 17A	6		SHLD A17 P1-14					.25 .19	NO NO		38	
A 17L			P1-13/O P3-B28					.23 .18	NO NO		17, 14 12	
A 17R			P1-13/I P3-A28					.22 .18	NO NO		15, 19, 20 12	
A 18	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 10 OF 42

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 18A	6		SHLD A18 P1-25/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-25/O
A 18L			P1-24/O P3-H39					.23 .18	NO NO		17, 14 12	
A 18R			P1-24/I P3-K39					.22 .18	NO NO		15, 19, 20 12	
A 19	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 19A	6		SHLD A19 P1-25/O					.25 .23	NO NO		17, 14	USE WITH P1-25/I
A 19L			P1-26/O P3-K38					.23 .18	NO NO		17, 14 12	
A 19R			P1-26/I P3-H38					.22 .18	NO NO		15, 19, 20 12	
A 20	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A 20A	6		SHLD A20 P1-16/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-16/O
A 20L			P1-15/O P3-H37					.23 .18	NO NO		17, 14 12	
A 20R			P1-15/I P3-K37					.22 .18	NO NO		15, 19, 20 12	
A 21	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 11 OF 42

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21A	6		SHLD A21 P1-16/O					.25 .23	NO NO		17, 14	USE WITH P1-16/I
A 21L			P1-17/O P3-K36					.23 .18	NO NO		17, 14 12	
A 21R			P1-17/I P3-H36					.22 .18	NO NO		15, 19, 20 12	
A 22	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A 22A	6		SHLD A22 P1-19/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-19/O
A 22L			P1-18/O P3-H41					.23 .18	NO NO		17, 14 12	
A 22R			P1-18/I P3-G41					.22 .18	NO NO		15, 19, 20 12	
A 23	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A 23A	6		SHLD A23 P1-19/O					.25 .23	NO NO		17, 14	USE WITH P1-19/I
A 23L			P1-20/O P3-F39					.23 .18	NO NO		17, 14 12	
A 23R			P1-20/I P3-F40					.22 .18	NO NO		15, 19, 20 12	
A 24	2				4.30 4.30	4.00 4.00				B,7 B,7	23 23	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 12 OF 42

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 48	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 48A	6		SHLD A48 P2-5/0					.25 .22	NO NO		17, 16	USE WITH P2-5/I
A 48B	5		P4-109 SHLD A48					.18 .25	NO NO		34	
A 48L			P2-6/0 P4-209					.23 .18	NO NO		17, 16 12	
A 48R			P2-6/I P4-309					.22 .18	NO NO		20, 18, 13 12	
A 49	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 49A	6		SHLD A49 P2-8/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-8/O
A 49B	5		P4-408 SHLD A49					.18 .25	NO NO		34	
A 49L			P2-7/0 P4-508					.23 .18	NO NO		17, 16 12	
A 49R			P2-7/I P4-608					.22 .18	NO NO		20, 18, 13 12	
A 50	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 50A	6		SHLD A50 P2-8/O					.25 .23	NO NO		17, 16	USE WITH P2-8/I

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 17 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 50B	5		P4-108 SHLD A50					.18 .25	NO NO		34	
A 50L			P2-9/O P4-208					.23 .18	NO NO		17, 16 12	
A 50R			P2-9/I P4-308					.22 .18	NO NO		20, 18, 13 12	
A 51	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A 51A	6		SHLD A51 P2-11/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-11/O
A 51B	5		P4-407 SHLD A51					.18 .25	NO NO		34	
A 51L			P2-10/O P4-507					.23 .18	NO NO		17, 16 12	
A 51R			P2-10/I P4-607					.22 .18	NO NO		20, 18, 13 12	
A 52	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A 52A	6		SHLD A52 P2-11/O					.25 .23	NO NO		17, 16	USE WITH P2-11/I
A 52B	5		P4-107 SHLD A52					.18 .25	NO NO		34	
A 52L			P2-12/O P4-207					.23 .18	NO NO		17, 16 12	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 18 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 52R			P2-12/I P4-307					.22 .18	NO NO		20, 18, 13 12	
A 53	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A 53A	6		SHLD A53 P2-14/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-14/O
A 53B	5		P4-406 SHLD A53					.18 .25	NO NO		34	
A 53L			P2-13/O P4-506					.23 .18	NO NO		17, 16 12	
A 53R			P2-13/I P4-606					.22 .18	NO NO		20, 18, 13 12	
A 54	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A 54A	6		SHLD A54 P2-14/O					.25 .23	NO NO		17, 16	USE WITH P2-14/I
A 54B	5		P4-106 SHLD A54					.18 .25	NO NO		34	
A 54L			P2-15/O P4-206					.23 .18	NO NO		17, 16 12	
A 54R			P2-15/I P4-306					.22 .18	NO NO		20, 18, 13 12	
A 55	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 19 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 55A	6		SHLD A55 P2-17/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-17/O
A 55B	5		P4-405 SHLD A55					.18 .25	NO NO		34	
A 55L			P2-16/O P4-505					.23 .18	NO NO		17, 16 12	
A 55R			P2-16/I P4-605					.22 .18	NO NO		20, 18, 13 12	
A 56	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A 56A	6		SHLD A56 P2-17/O					.25 .23	NO NO		17, 16	USE WITH P2-17/I
A 56B	5		P4-105 SHLD A56					.18 .25	NO NO		34	
A 56L			P2-18/O P4-205					.23 .18	NO NO		17, 16 12	
A 56R			P2-18/I P4-305					.22 .18	NO NO		20, 18, 13 12	
A 57	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 57A	6		SHLD A57 P2-20/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-20/O
A 57B	5		P4-404 SHLD A57					.18 .25	NO NO		34	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 20 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57L			P2-19/0					.23	NO		17, 16	
			P4-504					.18	NO		12	
A 57R			P2-19/I					.22	NO		20, 18, 13	
			P4-604					.18	NO		12	
A 58	2				4.30	4.00				A,6B	21, 23	
					4.30	4.00				A,6B	21, 23	
A 58A	6		SHLD A58					.25	NO			
			P2-20/0					.23	NO		17, 16	USE WITH P2-20/I
A 58B	5		P4-104					.18	NO		34	
			SHLD A58					.25	NO			
A 58L			P2-21/0					.23	NO		17, 16	
			P4-204					.18	NO		12	
A 58R			P2-21/I					.22	NO		20, 18, 13	
			P4-304					.18	NO		12	
A 59	2				4.30	4.00				A,6B	21, 23	
					4.30	4.00				A,6B	21, 23	
A 59A	6		SHLD A59					.25	NO			
			P2-23/I					.22	NO		20, 18, 13	USE WITH P2-23/0
A 59B	5		P4-403					.18	NO		34	
			SHLD A59					.25	NO			
A 59L			P2-22/0					.23	NO		17, 16	
			P4-503					.18	NO		12	
A 59R			P2-22/I					.22	NO		20, 18, 13	
			P4-603					.18	NO		12	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 21 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 60	2				4.30	4.00				A,6B	21, 23	
					4.30	4.00				A,6B	21, 23	
A 60A	6		SHLD A60					.25	NO			
			P2-23/0					.23	NO		17, 16	USE WITH P2-23/I
A 60B	5		P4-103					.18	NO		34	
			SHLD A60					.25	NO			
A 60L			P2-24/0					.23	NO		17, 16	
			P4-203					.18	NO		12	
A 60R			P2-24/I					.22	NO		20, 18, 13	
			P4-303					.18	NO		12	
A 61	2				4.30	4.00				A,6B	21, 23	
					4.30	4.00				A,6B	21, 23	
A 61A	6		SHLD A61					.25	NO			
			P2-26/I					.22	NO		20, 18, 13	USE WITH P2-26/0
A 61B	5		P4-402					.18	NO		34	
			SHLD A61					.25	NO			
A 61L			P2-25/0					.23	NO		17, 16	
			P4-502					.18	NO		12	
A 61R			P2-25/I					.22	NO		20, 18, 13	
			P4-602					.18	NO		12	
A 62	2				4.30	4.00				A,6B	21, 23	
					4.30	4.00				A,6B	21, 23	
A 62A	6		SHLD A62					.25	NO			
			P2-26/0					.23	NO		17, 16	USE WITH P2-26/I

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 22 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 62B	5		P4-102					.18	NO		34	
			SHLD A62					.25	NO			
A 62L			P2-27/0					.23	NO		17, 16	
			P4-202					.18	NO		12	
A 62R			P2-27/I					.22	NO		20, 18, 13	
			P4-302					.18	NO		12	
A 63	2				4.80	4.50				A,6B	21, 23	
					4.80	4.50				A,6B	21, 23	
A 63A	6		SHLD A63					.25	NO			
			P2-29/I					.22	NO		20, 18, 13	
A 63B	5		P4-401					.18	NO		34	USE WITH P2-29/0
			SHLD A63					.25	NO			
A 63L			P2-28/0					.23	NO		17, 16	
			P4-501					.18	NO		12	
A 63R			P2-28/I					.22	NO		20, 18, 13	
			P4-601					.18	NO		12	
A 64	2				4.80	4.50				A,6B	21, 23	
					4.80	4.50				A,6B	21, 23	
A 64A	6		SHLD A64					.25	NO			
			P2-29/0					.23	NO		17, 16	USE WITH P2-29/I
A 64B	5		P4-101					.18	NO		34	
			SHLD A64					.25	NO			
A 64L			P2-30/0					.23	NO		17, 16	
			P4-201					.18	NO		12	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 23 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 64R			P2-30/I					.22	NO		20, 18, 13	
			P4-301					.18	NO		12	
A 65	4				4.80	4.50				B,7	23	
					4.80	4.50				B,7	23	
A 65L			P2-33/0					.23	NO		17, 16	
			P4-611					.18	NO		12	
A 65R			P2-33/I					.22	NO		20, 18, 13	
			P4-511					.18	NO		12	
A 65Y			P2-34					.19	NO		39	
			P4-411					.18	NO		12	
A 66	2				4.80	4.50				B,7	23	
					4.80	4.50				B,7	23	
A 66L			P2-35/0					.23	NO		17, 16	
			P4-112					.18	NO		12	
A 66R			P2-35/I					.22	NO		20, 18, 13	
			P4-212					.18	NO		12	
A 67	2				4.80	4.50				B,7	23	
					4.80	4.50				B,7	23	
A 67L			P2-36/0					.23	NO		17, 16	
			P4-312					.18	NO		12	
A 67R			P2-36/I					.22	NO		20, 18, 13	
			P4-412					.18	NO		12	
A 68	4				4.80	4.50				B,7	23	
					4.80	4.50				B,7	23	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 24 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	68L		P2-37/0 P4-612					.23 .18	NO NO		17, 16 12	
A	68R		P2-37/I P4-113					.22 .18	NO NO		20, 18, 13 12	
A	68Y		P2-38 P4-512					.19 .18	NO NO		39 12	
A	69	2			5.30 5.30	5.00 5.00				B,7 B,7	23 23	
A	69L		P2-39/0 P4-213					.23 .18	NO NO		17, 16 12	
A	69R		P2-39/I P4-313					.22 .18	NO NO		20, 18, 13 12	
A	70	2			5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	70A	5	SHLD A70 P2-32					.25 .19	NO NO		32	
A	70B	5	P4-111 SHLD A70					.18 .25	NO NO		34	
A	70L		P2-31/0 P4-211					.23 .18	NO NO		17, 16 12	
A	70R		P2-31/I P4-311					.22 .18	NO NO		20, 18, 13 12	
A	71	6	P2-40/I P4-522					.22 .18	NO NO		20, 18, 13 12	USE WITH P2-40/0

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 25 OF 42

MIL 2084 9-88

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	72	6	P2-40/0 P4-622					.23 .18	NO NO		17, 16 12	USE WITH P2-40/I
A	73	2			5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	73A	6	SHLD A73 P2-42/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-42/0
A	73B	5	P4-634 SHLD A73					.18 .25	NO NO		34	
A	73L		P2-41/0 P4-534					.23 .18	NO NO		17, 16 12	
A	73R		P2-41/I P4-434					.22 .18	NO NO		20, 18, 13 12	
A	74	2			5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	74A	6	SHLD A74 P2-42/0					.25 .23	NO NO		17, 16	
A	74B	5	P4-335 SHLD A74					.18 .25	NO NO		34	
A	74L		P2-43/0 P4-235					.23 .18	NO NO		17, 16 12	
A	74R		P2-43/I P4-135					.22 .18	NO NO		20, 18, 13 12	
A	75	2			5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 26 OF 42

MIL 2084 9-88

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	75A	5	SHLD A75 P2-45					.25 .19	NO NO		32	
A	75B	5	P4-635 SHLD A75					.18 .25	NO NO		34	
A	75L		P2-44/0 P4-535					.23 .18	NO NO		17, 16 12	
A	75R		P2-44/I P4-435					.22 .18	NO NO		20, 18, 13 12	
A	76	5	P2-53 P4-236					.19 .18	NO NO		32 34	
A	77	5	P2-54 P4-436					.19 .18	NO NO		32 34	
A	79	2			5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	79A	6	SHLD A79 P2-47/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-47/0
A	79B	5	P4-137 SHLD A79					.18 .25	NO NO		34	
A	79L		P2-46/0 P4-337					.23 .18	NO NO		17, 16 12	
A	79R		P2-46/I P4-237					.22 .18	NO NO		20, 18, 13 12	
A	80	2			5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 27 OF 42

MIL 2084 9-88

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	80A	6	SHLD A80 P2-47/0					.25 .23	NO NO		17, 16	USE WITH P2-47/I
A	80B	5	P4-637 SHLD A80					.18 .25	NO NO		34	
A	80L		P2-48/0 P4-537					.23 .18	NO NO		17, 16 12	
A	80R		P2-48/I P4-437					.22 .18	NO NO		20, 18, 13 12	
A	81	1			4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A	81A	5	SHLD A81 P3-G33					.25 .18	NO NO		34	
A	81B	5	P4-341 SHLD A81					.18 .25	NO NO		34	
A	81L		P3-K33 P4-241					.18 .18	NO NO		34 34	
A	81R		P3-H33 P4-141					.18 .18	NO NO		34 34	
A	82	1			4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A	82A	5	SHLD A82 P3-G34					.25 .18	NO NO		34	
A	82B	5	P4-641 SHLD A82					.18 .25	NO NO		34	

SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 28 OF 42

MIL 2084 9-88

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 82L			P3-H34					.18	NO		34	
			P4-541					.18	NO		34	
A 82R			P3-K34					.18	NO		34	
			P4-441					.18	NO		34	
A 83	1				4.80	4.50				A,6B	21, 23	
					4.80	4.50				A,6B	21, 23	
A 83A	5		SHLD A83					.25	NO			
			P3-F27					.18	NO		34	
A 83B	5		P4-343					.18	NO		34	
			SHLD A83					.25	NO			
A 83L			P3-F29					.18	NO		34	
			P4-243					.18	NO		34	
A 83R			P3-F28					.18	NO		34	
			P4-143					.18	NO		34	
A 84	1				4.80	4.50				A,6B	21, 23	
					4.80	4.50				A,6B	21, 23	
A 84A	5		SHLD A84					.25	NO			
			P3-F33					.18	NO		34	
A 84B	5		P4-643					.18	NO		34	
			SHLD A84					.25	NO			
A 84L			P3-F32					.18	NO		34	
			P4-543					.18	NO		34	
A 84R			P3-F31					.18	NO		34	
			P4-443					.18	NO		34	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 29 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1				4.80	4.50				A,6B	21, 23	
					4.80	4.50				A,6B	21, 23	
A 85A	5		SHLD A85					.25	NO			
			P3-G25					.18	NO		34	
A 85B	5		P4-345					.18	NO		34	
			SHLD A85					.25	NO			
A 85L			P3-K25					.18	NO		34	
			P4-245					.18	NO		34	
A 85R			P3-H25					.18	NO		34	
			P4-145					.18	NO		34	
A 86	1				4.80	4.50				A,6B	21, 23	
					4.80	4.50				A,6B	21, 23	
A 86A	5		SHLD A86					.25	NO			
			P3-G26					.18	NO		34	
A 86B	5		P4-645					.18	NO		34	
			SHLD A86					.25	NO			
A 86L			P3-H26					.18	NO		34	
			P4-545					.18	NO		34	
A 86R			P3-K26					.18	NO		34	
			P4-445					.18	NO		34	
A 87	1				4.80	4.50				A,6B	21, 23	
					4.80	4.50				A,6B	21, 23	
A 87A	5		SHLD A87					.25	NO			
			P3-G31					.18	NO		34	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 30 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87B	5		P4-340					.18	NO		34	
			SHLD A87					.25	NO			
A 87L			P3-K31					.18	NO		34	
			P4-240					.18	NO		34	
A 87R			P3-H31					.18	NO		34	
			P4-140					.18	NO		34	
A 88	1				4.80	4.50				A,6B	21, 23	
					4.80	4.50				A,6B	21, 23	
A 88A	5		SHLD A88					.25	NO			
			P3-G32					.18	NO		34	
A 88B	5		P4-640					.18	NO		34	
			SHLD A88					.25	NO			
A 88L			P3-H32					.18	NO		34	
			P4-540					.18	NO		34	
A 88R			P3-K32					.18	NO		34	
			P4-440					.18	NO		34	
A 89	1				4.80	4.50				A,6B	21, 23	
					4.80	4.50				A,6B	21, 23	
A 89A	5		SHLD A89					.25	NO			
			P3-G29					.18	NO		34	
A 89B	5		P4-342					.18	NO		34	
			SHLD A89					.25	NO			
A 89L			P3-K29					.18	NO		34	
			P4-242					.18	NO		34	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 31 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89R			P3-H29					.18	NO		34	
			P4-142					.18	NO		34	
A 90	1				4.80	4.50				A,6B	21, 23	
					4.80	4.50				A,6B	21, 23	
A 90A	5		SHLD A90					.25	NO			
			P3-G30					.18	NO		34	
A 90B	5		P4-642					.18	NO		34	
			SHLD A90					.25	NO			
A 90L			P3-H30					.18	NO		34	
			P4-542					.18	NO		34	
A 90R			P3-K30					.18	NO		34	
			P4-442					.18	NO		34	
A 91	1				5.30	5.00				A,6B	21, 23	
					5.30	5.00				A,6B	21, 23	
A 91A	5		SHLD A91					.25	NO			
			P3-G27					.18	NO		34	
A 91B	5		P4-344					.18	NO		34	
			SHLD A91					.25	NO			
A 91L			P3-K27					.18	NO		34	
			P4-244					.18	NO		34	
A 91R			P3-H27					.18	NO		34	
			P4-144					.18	NO		34	
A 92	1				5.30	5.00				A,6B	21, 23	
					5.30	5.00				A,6B	21, 23	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 32 OF 42

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 92A	5		SHLD A92					.25	NO			
			P3-G28					.22	NO		34	
A 92B	5		P4-644					.18	NO		34	
			SHLD A92					.25	NO			
A 92L			P3-H28					.18	NO		34	
			P4-544					.18	NO		34	
A 92R			P3-K28					.18	NO		34	
			P4-444					.18	NO		34	
A 93	1				5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A 93A	5		SHLD A93					.25	NO			
			P3-F3					.18	NO		34	
A 93B	5		P4-346					.18	NO		34	
			SHLD A93					.25	NO			
A 93L			P3-F2					.18	NO		34	
			P4-246					.18	NO		34	
A 93R			P3-F1					.18	NO		34	
			P4-146					.18	NO		34	
A 94	1				5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A 94A	5		SHLD A94					.25	NO			
			P3-K3					.18	NO		34	
A 94B	5		P4-646					.18	NO		34	
			SHLD A94					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 33 OF 42

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 94L			P3-K4					.18	NO		34	
			P4-546					.18	NO		34	
A 94R			P3-H4					.18	NO		34	
			P4-446					.18	NO		34	
A 95	1				5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A 95A	5		SHLD A95					.25	NO			
			P3-G3					.18	NO		34	
A 95B	5		P4-348					.18	NO		34	
			SHLD A95					.25	NO			
A 95L			P3-G1					.18	NO		34	
			P4-248					.18	NO		34	
A 95R			P3-G2					.18	NO		34	
			P4-148					.18	NO		34	
A 96	1				5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A 96A	5		SHLD A96					.25	NO			
			P3-H3					.18	NO		34	
A 96B	5		P4-648					.18	NO		34	
			SHLD A96					.25	NO			
A 96L			P3-H2					.18	NO		34	
			P4-548					.18	NO		34	
A 96R			P3-H1					.18	NO		34	
			P4-448					.18	NO		34	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 34 OF 42

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 97	1				5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A 97A	5		SHLD A97					.25	NO			
			P3-G6					.18	NO		34	
A 97B	5		P4-633					.18	NO		34	
			SHLD A97					.25	NO			
A 97L			P3-K6					.18	NO		34	
			P4-533					.18	NO		34	
A 97R			P3-H6					.18	NO		34	
			P4-433					.18	NO		34	
A 98	1				5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A 98A	5		SHLD A98					.25	NO			
			P3-G5					.18	NO		34	
A 98B	5		P4-334					.18	NO		34	
			SHLD A98					.25	NO			
A 98L			P3-H5					.18	NO		34	
			P4-234					.18	NO		34	
A 98R			P3-K5					.18	NO		34	
			P4-134					.18	NO		34	
A 99	1				5.30	5.00				A,68	21, 23	
					5.30	5.00				B,7	23	
A 99A	5		SHLD A99					.25	NO			
			P3-C26					.18	NO		34	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 35 OF 42

MIL 2084 9-85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 99L	5		P3-A26					.18	NO		34	
			P4-238					.18	NO		34	
A 99R			P3-B26					.18	NO		34	
			P4-338					.18	NO		34	
A 100	1				5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A 100A	5		SHLD A100					.25	NO			
			P3-C25					.18	NO		34	
A 100B	5		P4-329					.18	NO		34	
			SHLD A100					.25	NO			
A 100L			P3-B25					.18	NO		34	
			P4-229					.18	NO		34	
A 100R			P3-A25					.18	NO		34	
			P4-129					.18	NO		34	
A 101	1				5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A 101A	5		SHLD A101					.25	NO			
			P3-C39					.18	NO		34	
A 101B	5		P4-629					.18	NO		34	
			SHLD A101					.25	NO			
A 101L			P3-A39					.18	NO		34	
			P4-529					.18	NO		34	
A 101R			P3-B39					.18	NO		34	
			P4-429					.18	NO		34	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 36 OF 42

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 102	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 102A	5		SHLD A102					.25	NO			
			P3-D40					.18	NO		34	
A 102B	5		P4-330					.18	NO		34	
			SHLD A102					.25	NO			
A 102L			P3-C41					.18	NO		34	
			P4-230					.18	NO		34	
A 102R			P3-D41					.18	NO		34	
			P4-130					.18	NO		34	
A 103	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 103A	5		SHLD A103					.25	NO			
			P3-C24					.18	NO		34	
A 103B	5		P4-630					.18	NO		34	
			SHLD A103					.25	NO			
A 103L			P3-D24					.18	NO		34	
			P4-530					.18	NO		34	
A 103R			P3-B24					.18	NO		34	
			P4-430					.18	NO		34	
A 104	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 104A	5		SHLD A104					.25	NO			
			P3-C38					.18	NO		34	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 37 OF 42

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 104B	5		P4-331					.18	NO		34	
			SHLD A104					.25	NO			
A 104L			P3-B38					.18	NO		34	
			P4-231					.18	NO		34	
A 104R			P3-A38					.18	NO		34	
			P4-131					.18	NO		34	
A 105	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 105A	5		SHLD A105					.25	NO			
			P3-C40					.18	NO		34	
A 105B	5		P4-631					.18	NO		34	
			SHLD A105					.25	NO			
A 105L			P3-B40					.18	NO		34	
			P4-531					.18	NO		34	
A 105R			P3-B41					.18	NO		34	
			P4-431					.18	NO		34	
A 106	1				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 106L			P3-H8					.18	NO		34	
			P4-328					.18	NO		34	
A 106R			P3-K8					.18	NO		34	
			P4-228					.18	NO		34	
A 107	1				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 38 OF 42

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 107L			P3-K10					.18	NO		34	
			P4-528					.18	NO		34	
A 107R			P3-K9					.18	NO		34	
			P4-428					.18	NO		34	
A 108	5		P3-D25					.18	NO		34	
			P4-336					.18	NO		34	
A 109	5		P3-F25					.18	NO		34	
			P4-136					.18	NO		34	
A 110	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 110A	5		SHLD A110					.25	NO			
			P3-C4					.18	NO		34	
A 110B	5		P4-332					.18	NO		34	
			SHLD A110					.25	NO			
A 110L			P3-B4					.18	NO		34	
			P4-232					.18	NO		34	
A 110R			P3-A4					.18	NO		34	
			P4-132					.18	NO		34	
A 111	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 111A	5		SHLD A111					.25	NO			
			P3-C5					.18	NO		34	
A 111B	5		P4-632					.18	NO		34	
			SHLD A111					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 39 OF 42

MIL 2064 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 111L			P3-A5					.18	NO		34	
			P4-532					.18	NO		34	
A 111R			P3-B5					.18	NO		34	
			P4-432					.18	NO		34	
A 112	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 112A	5		SHLD A112					.25	NO			
			P3-C6					.18	NO		34	
A 112B	5		P4-333					.18	NO		34	
			SHLD A112					.25	NO			
A 112L			P3-B6					.18	NO		34	
			P4-233					.18	NO		34	
A 112R			P3-A6					.18	NO		34	
			P4-133					.18	NO		34	
A 113	3				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 113L			P3-D5					.18	NO		34	
			P4-221					.18	NO		34	
A 113R			P3-D6					.18	NO		34	
			P4-620					.18	NO		34	
A 113Y			P3-D4					.18	NO		34	
			P4-421					.18	NO		34	
A 114	3				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	

SIZE	CODE IDENT NO.	
A	99974	2901129

SCALE-NONE | REV LTR A | SHEET 40 OF 42

MIL 2064 9-65

CABLE ASSEMBLY W154 2901129

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	114L		P3-F4					.18	NO		34	
			P4-222					.18	NO		34	
A	114R		P3-F5					.18	NO		34	
			P4-621					.18	NO		34	
A	114Y		P3-F6					.18	NO		34	
			P4-119					.18	NO		34	
A	115	5	P3-A3					.18	NO		34	
			P4-422					.18	NO		34	
A	116	9			5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A	116L		P3-F7					.18	NO		34	
			P4-321					.18	NO		34	
A	116R		P3-G7					.18	NO		34	
			P4-121					.18	NO		34	
A	116Y		P3-F8					.18	NO		34	
			P4-521					.18	NO		34	
A	117	7			5.80	5.50				A,6B	21, 24	
					5.80	5.50				B,7	24	
A	117A	5	SHLD A117					.25	NO			
			P3-D27					.18	NO		34	
A	117W		P3-D26					.18	NO		34	
			P4-138					.18	NO		34	

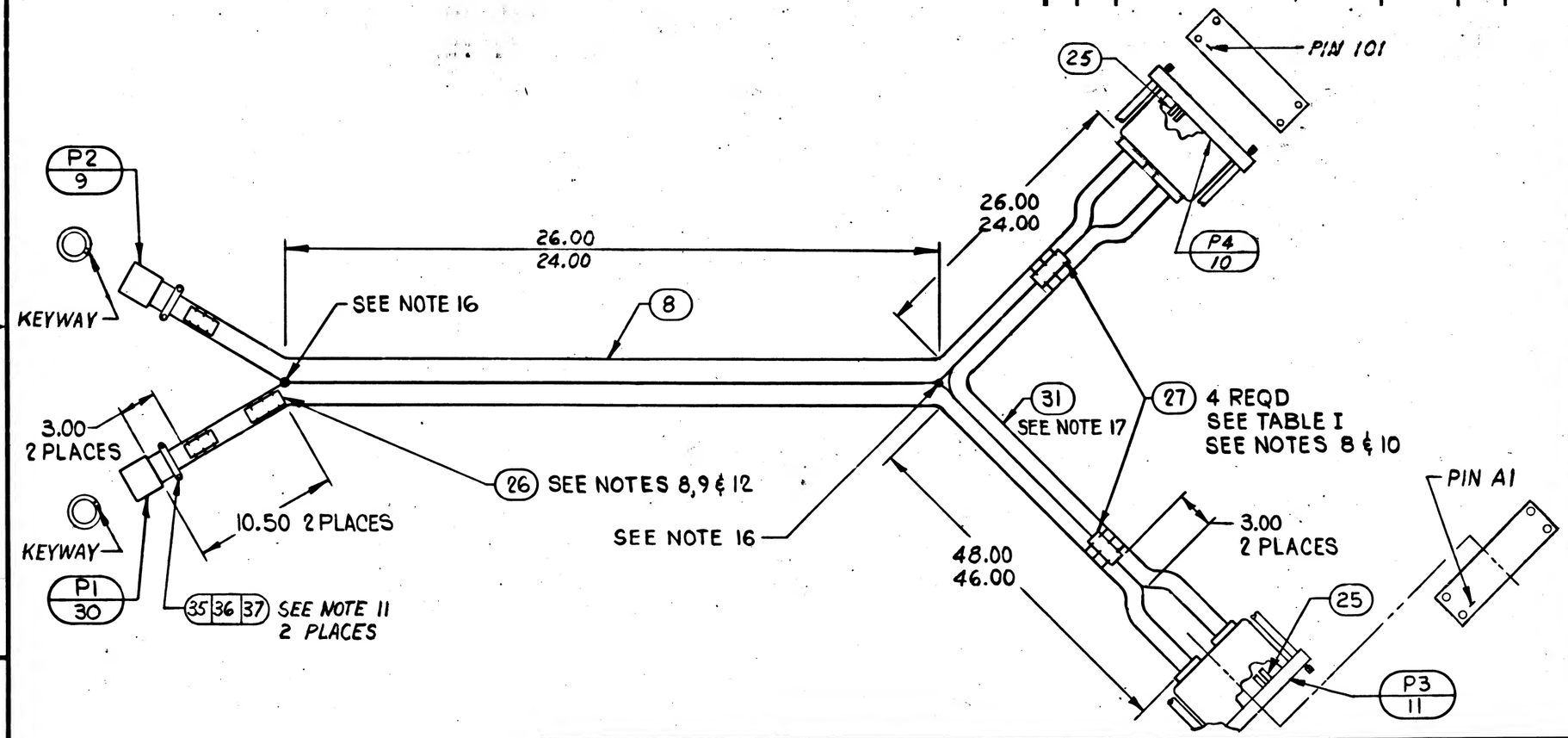
SIZE	CODE IDENT NO.	
A	99974	2901129
SCALE-NONE	REV LTR A	SHEET 41 OF 42

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REVISIONS TORR 27524					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
		SEE SHEET 1 FOR REVISION RECORD			

TABLE I

PLUG NO.	MARKING
P1	W154-P1 (J19-GDB)
P2	W154-P2 (J20-GDB)
P3	W154-P3 (J4-PSA)
P4	W154-P4 (J53-ECDU)



2900712-021	2900712-021
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.50 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Frank R. Walker 14 JAN 66 DATE
CHECKED W. Manning 27 JAN 66
APPROVAL C. W. Wilson 27 JAN 66
APPROVAL J. M. Watson 1-27-66
A. C. METZGER
NASA APPROVAL
MIT APPROVAL W. Geyer 29 Mar 66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL BRANCHED - W154

CODE IDENT NO.	SIZE	
99974	C	2901129
SCALE NONE		SHEET 42 of 42

BSL 1077C-P